

Part Name <b>Speed Gear 4</b>		Customer Part Number <b>250.1.4390.35</b>	
Shown on Drawing No. <b>250.1.4390.35</b>		Organization Part # _____	
Engineering Change Level <b>- C009610_MIP_1</b>		Dated <b>23-giu-17</b>	
Additional Engineering Changes _____		Dated _____	
Safety and/or Government Regulation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Purchase Order No. _____	Weight (kg) <b>0.9600</b>	
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  
**TYP 250**  
 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 checked="" type="checkbox"/> Initial Submission                                | <input type="checkbox"/> Change to Optional Construction or Material |
| <input 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**

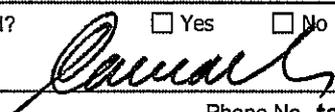
I hereby affirm that the samples represented by this warrant are representative of our parts which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at the production rate of 1860 / 24 hours.

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: **First Submission PPAP for code 250 1 4390 35 (PPAP only for differences respect to 250 1 4222.38)**

**New kk: 055.8.5463.00 (already in place on SG1)**

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

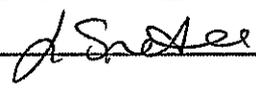
Organization Authorized Signature  Date **20/07/2017**

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

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

**FOR CUSTOMER USE ONLY (IF APPLICABLE)**

Part Warrant Disposition:  Approved  Rejected  Other

Customer Signature  Date **20.07.17**

Print Name \_\_\_\_\_ Customer Tracking Number (optional) \_\_\_\_\_



Disegno Nr.: 055.8.5463.00 FINITO Cliente/Macch. Nr.: PNC35  
 Controllore: turno d Denominazione: 37.0-  
 Commessa/Serie Nr.: pz. n.1

Osservazione: sr4

Funzione	Nome	SY	Q.ta eff. mm/GRAD	Q.ta nom. mm/GRAD	Tol sup. mm/GRAD	Tol inf. mm/GRAD	Scost mm/GRAD	Valut. mm/GRAD
	Dente 1							
	Vertice:							
DISTANZA	Offset d.mezz.		0.000	0.000	0.075	-0.075	0.000	+
LUNGHEZ.	Larghezza		0.059	0.075	0.075	-0.075	-0.016	-
	Cuspide:							
ANGOLO	Angolo	si	59.200	60.000	1.000	-1.000	-0.800	----
ANGOLO	Angolo	de	59.938	60.000	1.000	-1.000	-0.062	-
	Dente 15							
	Vertice:							
DISTANZA	Offset d.mezz.		0.028	0.000	0.075	-0.075	0.028	++
LUNGHEZ.	Larghezza		0.052	0.075	0.075	-0.075	-0.023	--
	Cuspide:							
ANGOLO	Angolo	si	59.267	60.000	1.000	-1.000	-0.733	---
ANGOLO	Angolo	de	59.959	60.000	1.000	-1.000	-0.041	-
	Dente 29							
	Vertice:							
DISTANZA	Offset d.mezz.		0.003	0.000	0.075	-0.075	0.003	+
LUNGHEZ.	Larghezza		0.056	0.075	0.075	-0.075	-0.019	--
	Cuspide:							
ANGOLO	Angolo	si	59.164	60.000	1.000	-1.000	-0.836	----
ANGOLO	Angolo	de	59.751	60.000	1.000	-1.000	-0.249	-

Disegno Nr.: 055.8.5463.00 FINITO Cliente/Macch. Nr.: PNC35  
 Controllore: turno d Denominazione: 37.0-  
 Commessa/Serie Nr.: pz. n.2

Osservazione: sr4

Funzione	Nome	SY	Q.ta eff. mm/GRAD	Q.ta nom. mm/GRAD	Tol sup. mm/GRAD	Tol inf. mm/GRAD	Scost mm/GRAD	Valut. mm/GRAD
	Dente 1							
	Vertice:							
DISTANZA	Offset d.mezz.		0.005	0.000	0.075	-0.075	0.005	+
LUNGHEZ.	Larghezza		0.051	0.075	0.075	-0.075	-0.024	--
	Cuspide:							
ANGOLO	Angolo	si	59.169	60.000	1.000	-1.000	-0.831	----
ANGOLO	Angolo	de	60.013	60.000	1.000	-1.000	0.013	+
	Dente 15							
	Vertice:							
DISTANZA	Offset d.mezz.		0.007	0.000	0.075	-0.075	0.007	+
LUNGHEZ.	Larghezza		0.061	0.075	0.075	-0.075	-0.014	-
	Cuspide:							
ANGOLO	Angolo	si	59.142	60.000	1.000	-1.000	-0.858	----
ANGOLO	Angolo	de	60.209	60.000	1.000	-1.000	0.209	+
	Dente 29							
	Vertice:							
DISTANZA	Offset d.mezz.		0.024	0.000	0.075	-0.075	0.024	++
LUNGHEZ.	Larghezza		0.041	0.075	0.075	-0.075	-0.034	--
	Cuspide:							
ANGOLO	Angolo	si	59.180	60.000	1.000	-1.000	-0.820	----
ANGOLO	Angolo	de	60.039	60.000	1.000	-1.000	0.039	+

Disegno Nr.: 055.8.5463.00 FINITO Cliente/Macch. Nr.: PNC35  
 Controllore: turno d Denominazione: 37.0-  
 Commessa/Serie Nr.: pz. n.3

Osservazione: sr4

Funzione	Nome	SY	Q.ta eff. mm/GRAD	Q.ta nom. mm/GRAD	Tol sup. mm/GRAD	Tol inf. mm/GRAD	Scost mm/GRAD	Valut. mm/GRAD
	Dente 1							
	Vertice:							
DISTANZA	Offset d.mezz.		0.005	0.000	0.075	-0.075	0.005	+
LUNGHEZ.	Larghezza		0.052	0.075	0.075	-0.075	-0.023	--
	Cuspide:							
ANGOLO	Angolo	si	59.255	60.000	1.000	-1.000	-0.745	---
ANGOLO	Angolo	de	59.911	60.000	1.000	-1.000	-0.089	-
	Dente 15							
	Vertice:							
DISTANZA	Offset d.mezz.		-0.016	0.000	0.075	-0.075	-0.016	-
LUNGHEZ.	Larghezza		0.056	0.075	0.075	-0.075	-0.019	--
	Cuspide:							
ANGOLO	Angolo	si	59.284	60.000	1.000	-1.000	-0.716	---
ANGOLO	Angolo	de	59.658	60.000	1.000	-1.000	-0.342	--
	Dente 29							
	Vertice:							
DISTANZA	Offset d.mezz.		-0.023	0.000	0.075	-0.075	-0.023	--
LUNGHEZ.	Larghezza		0.058	0.075	0.075	-0.075	-0.017	-
	Cuspide:							
ANGOLO	Angolo	si	59.182	60.000	1.000	-1.000	-0.818	----
ANGOLO	Angolo	de	59.917	60.000	1.000	-1.000	-0.083	-

Disegno Nr.: 055.8.5463.00 FINITO Cliente/Macch. Nr.: PNC35  
 Controllore: turno d Denominazione: 37.0-  
 Commessa/Serie Nr.: pz. n.4

Osservazione: sr4

Funzione	Nome	SY	Q.ta eff. mm/GRAD	Q.ta nom. mm/GRAD	Tol sup. mm/GRAD	Tol inf. mm/GRAD	Scost mm/GRAD	Valut. mm/GRAD
	Dente 1							
	Vertice:							
DISTANZA	Offset d.mezz.		0.004	0.000	0.075	-0.075	0.004	+
LUNGHEZ.	Larghezza		0.060	0.075	0.075	-0.075	-0.015	-
	Cuspide:							
ANGOLO	Angolo	si	59.186	60.000	1.000	-1.000	-0.814	----
ANGOLO	Angolo	de	59.837	60.000	1.000	-1.000	-0.163	-
	Dente 15							
	Vertice:							
DISTANZA	Offset d.mezz.		0.024	0.000	0.075	-0.075	0.024	++
LUNGHEZ.	Larghezza		0.056	0.075	0.075	-0.075	-0.019	--
	Cuspide:							
ANGOLO	Angolo	si	59.270	60.000	1.000	-1.000	-0.730	---
ANGOLO	Angolo	de	60.044	60.000	1.000	-1.000	0.044	+
	Dente 29							
	Vertice:							
DISTANZA	Offset d.mezz.		0.018	0.000	0.075	-0.075	0.018	+
LUNGHEZ.	Larghezza		0.073	0.075	0.075	-0.075	-0.002	-
	Cuspide:							
ANGOLO	Angolo	si	59.161	60.000	1.000	-1.000	-0.839	----
ANGOLO	Angolo	de	60,039	60.000	1.000	-1.000	0.039	+

Disegno Nr.: 055.8.5463.00 FINITO Cliente/Macch. Nr.: PNC35  
 Controllore: turno d Denominazione: 37.0-  
 Commessa/Serie Nr.: pz. n.5

Osservazione: sr4

Funzione	Nome	SY	Q.ta eff. mm/GRAD	Q.ta nom. mm/GRAD	Tol sup. mm/GRAD	Tol inf. mm/GRAD	Scost mm/GRAD	Valut. mm/GRAD
	Dente 1							
	Vertice:							
DISTANZA	Offset d.mezz.		-0.008	0.000	0.075	-0.075	-0.008	-
LUNGHEZ.	Larghezza		0.047	0.075	0.075	-0.075	-0.028	--
	Cuspide:							
ANGOLO	Angolo	si	59.272	60.000	1.000	-1.000	-0.728	---
ANGOLO	Angolo	de	59.820	60.000	1.000	-1.000	-0.180	-
	Dente 15							
	Vertice:							
DISTANZA	Offset d.mezz.		0.006	0.000	0.075	-0.075	0.006	+
LUNGHEZ.	Larghezza		0.025	0.075	0.075	-0.075	-0.050	---
	Cuspide:							
ANGOLO	Angolo	si	59.271	60.000	1.000	-1.000	-0.729	---
ANGOLO	Angolo	de	59.994	60.000	1.000	-1.000	-0.006	-
	Dente 29							
	Vertice:							
DISTANZA	Offset d.mezz.		0.010	0.000	0.075	-0.075	0.010	+
LUNGHEZ.	Larghezza		0.051	0.075	0.075	-0.075	-0.024	--
	Cuspide:							
ANGOLO	Angolo	si	59.252	60.000	1.000	-1.000	-0.748	---
ANGOLO	Angolo	de	59.999	60.000	1.000	-1.000	-0.001	-

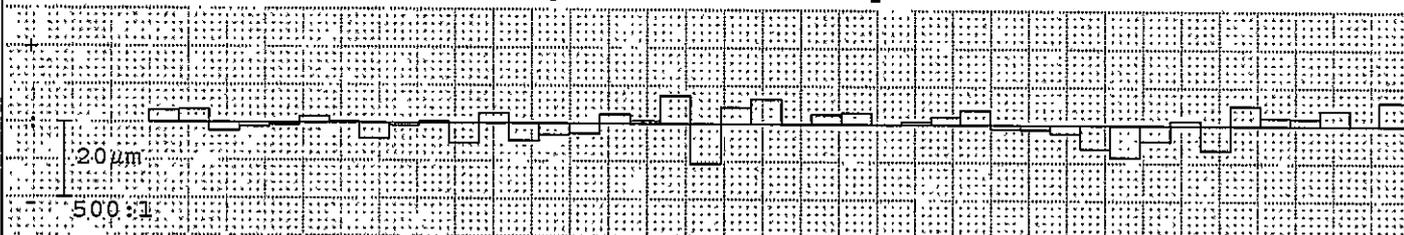
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# Ruota cilindrica Divisione

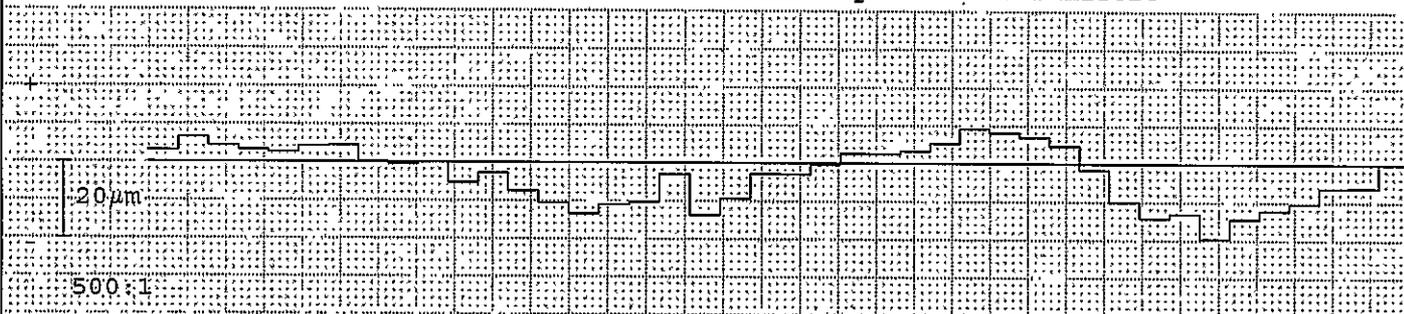


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Denominazione: CA SRRW Ford	Numero denti z: 42	Angolo pressione: 30°	
Numero disegno.: 055.8.5463.00-IG1H	Modulo m: 2mm	Angolo elica: 4.5/-4.5°	
Comessa/serie nr.: 1	Untersuchungszweck: Laufende Messung		
Masch.Nr.: M001	Spindel: Formel	Größe: 1	Charge:

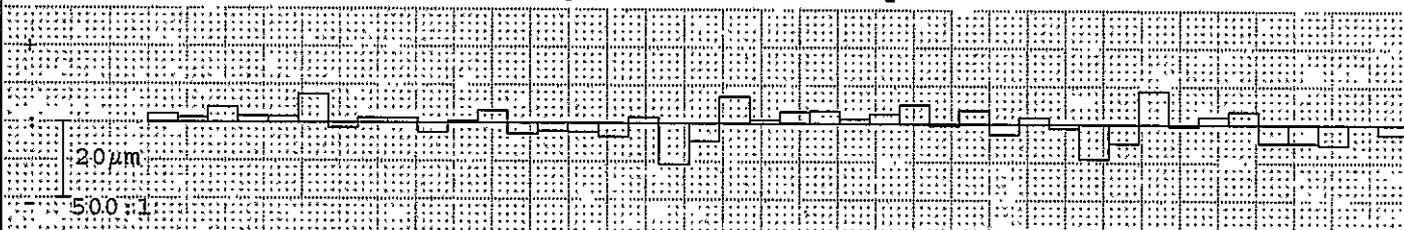
### Errori singoli di divisione fp fianco sinistro



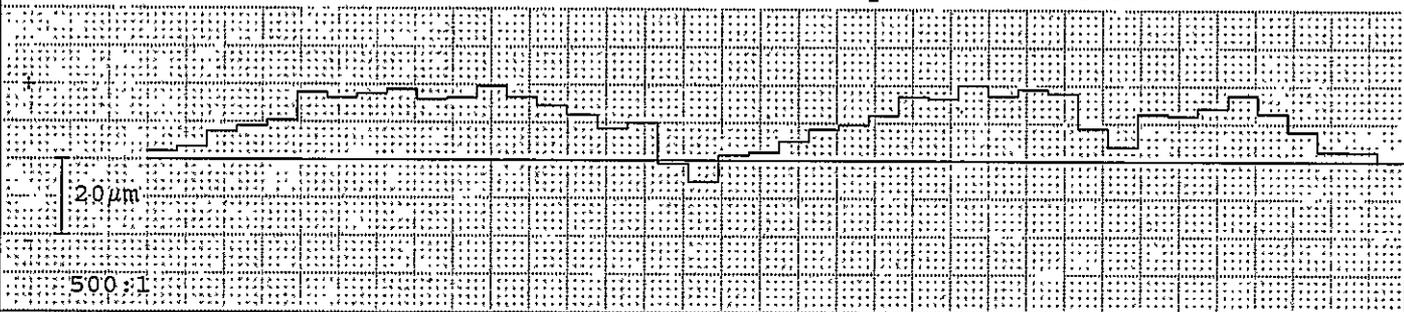
### Errore somma di divisione Fp fianco sinistro



### Errori singoli di divisione fp fianco destro

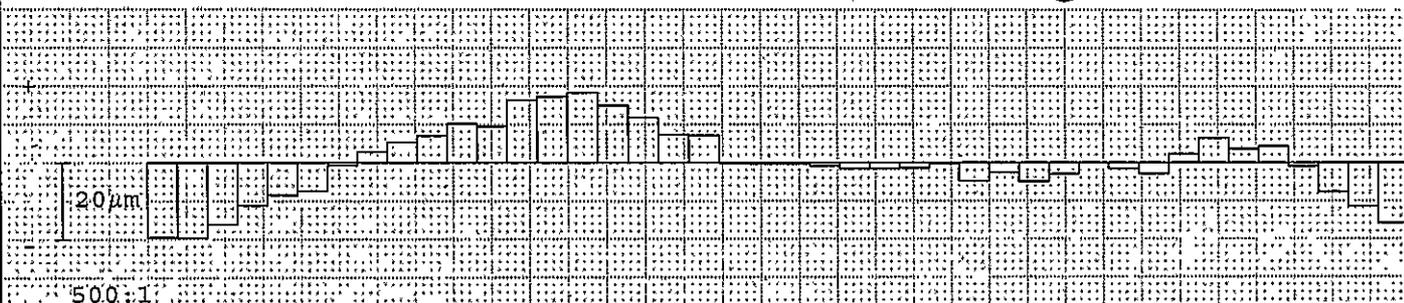


### Errore somma di divisione Fp fianco destro



	fianco sinistro				fianco destro			
	Val. misur	Qual.	Val. amm	Qual.	Val. misur	Qual.	Val. amm	Qual.
Gr. err. singoli divisione fp max	11				11			
Gr. salto di passo fu max	18				14			
Scarto di divisione Rp	18				20			
Err. globale di divisione Fp-e	29				26			
Err. cordale di divisione Fpz/8	24				20			

### Centricità Fr (Ø-sfera =4mm) ⊙ : 16μm



Err. di concentricità Fr	38	100	
Variaz. spessore dente Rs			

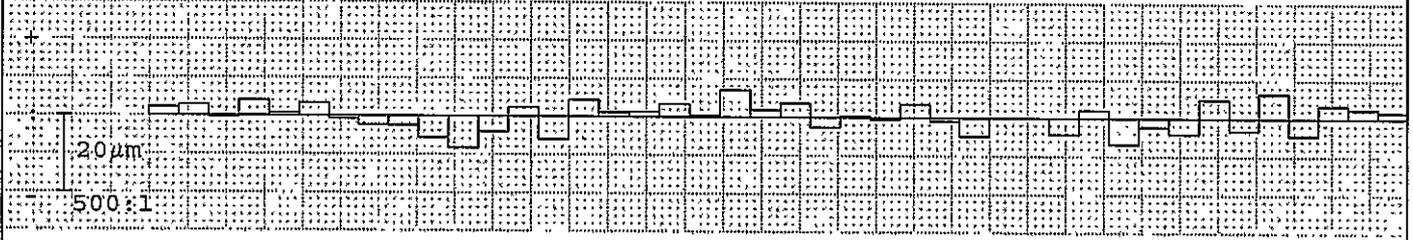


# Ruota cilindrica Divisione

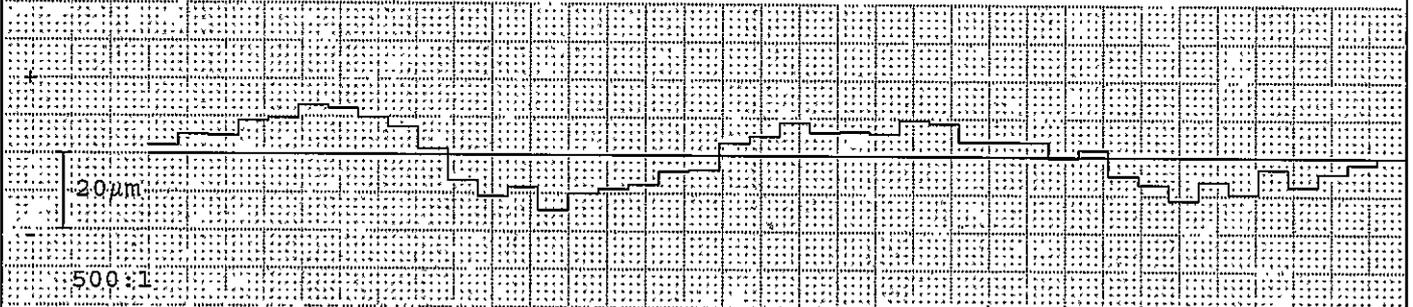


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Denominazione: CA SRRW Ford	Numero denti z: 42	Angolo pressione: 30°	
Numero disegno: 055.8.5463.00-IG1H	Modulo m: 2mm	Angolo elica: 4.5/-4.5°	
Comessa/serie nr.: 2	Untersuchungszweck: Laufende Messung		
Masch.Nr.: M001	Spindel: FORMULAZIONE	Werkzeug:	Charge:

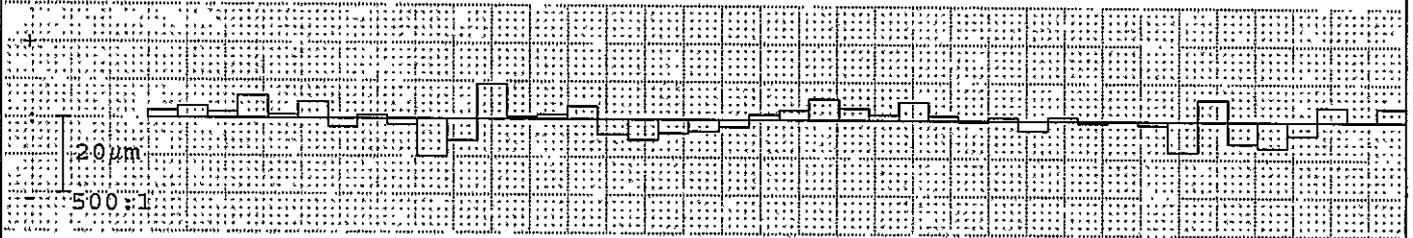
### Errori singoli di divisione fp fianco sinistro



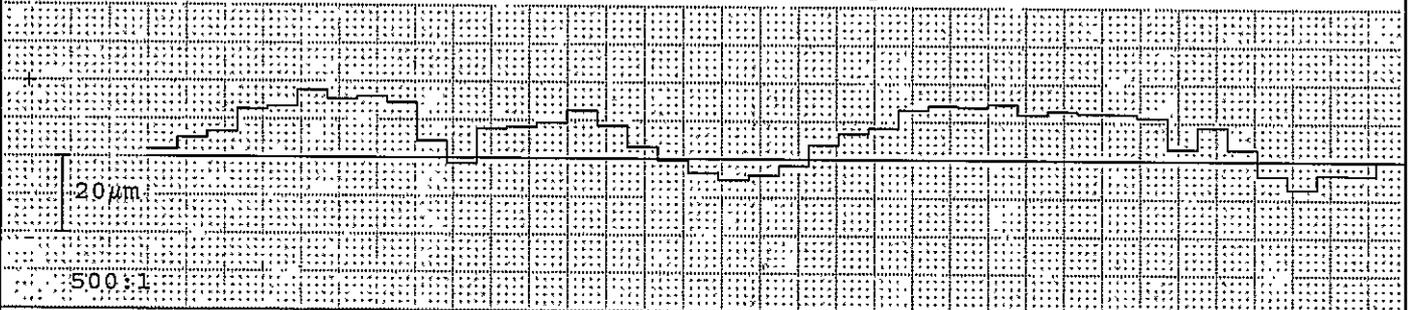
### Errore somma di divisione Fp fianco sinistro



### Errori singoli di divisione fp fianco destro

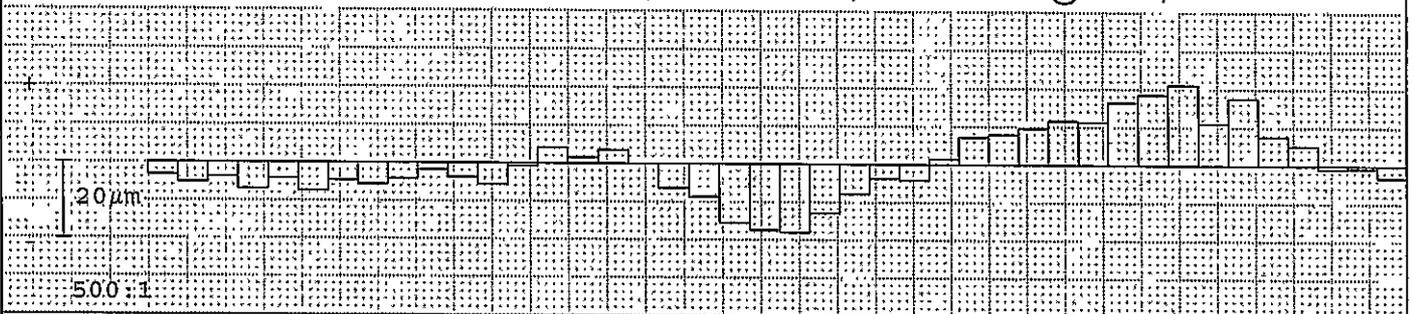


### Errore somma di divisione Fp fianco destro



	fianco sinistro				fianco destro			
	Val. misur	Qual.	Val. amm	Qual.	Val. misur	Qual.	Val. amm	Qual.
Gr. err. singoli divisione fp max	8				10			
Gr. salto di passo fu max	11				15			
Scarto di divisione Rp	15				19			
Err. globale di divisione Fp-e	27				25			
Err. cordale di divisione Fpz/8	23				19			

### Centricità Fr (Ø-sfera =4mm) ⊙ : 17µm



Err. di concentricità Fr	39	100	
Variaz. spessore dente Rs			



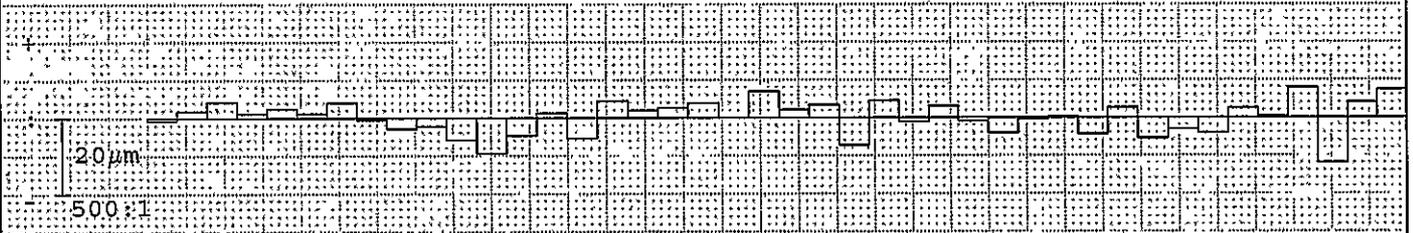
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# Ruota cilindrica Divisione

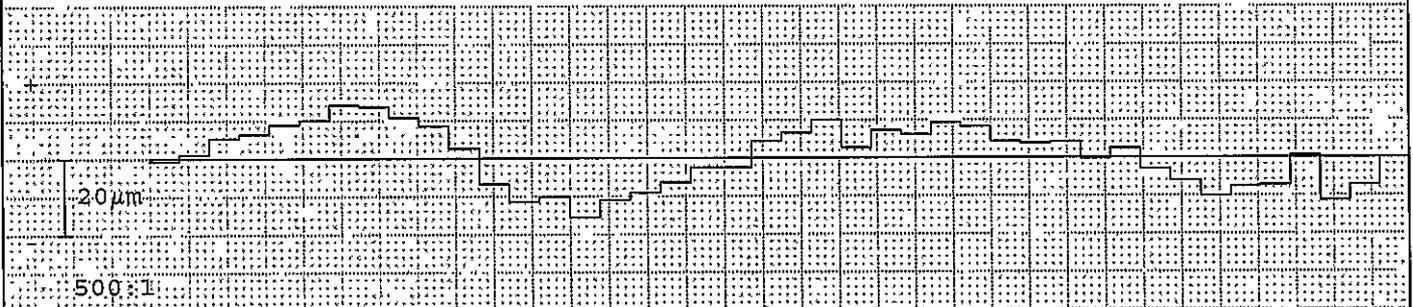


Nr. prog.: STI0412 06 0	P26 B7590	Controllore: turno B	Data: 20.07.2017 10:42
Denominazione: CA SRRW Ford	Numero denti z: 42	Angolo pressione: 30°	
Numero disegno.: 055.8.5463.00-IGLH	Modulo m: 2mm	Angolo elica: 4.5/-4.5°	
Comessa/serie nr.: 3	Untersuchungszweck: Laufende Messung		
Masch.Nr.: M001	Spindel: Formelatzelg;	Charge:	

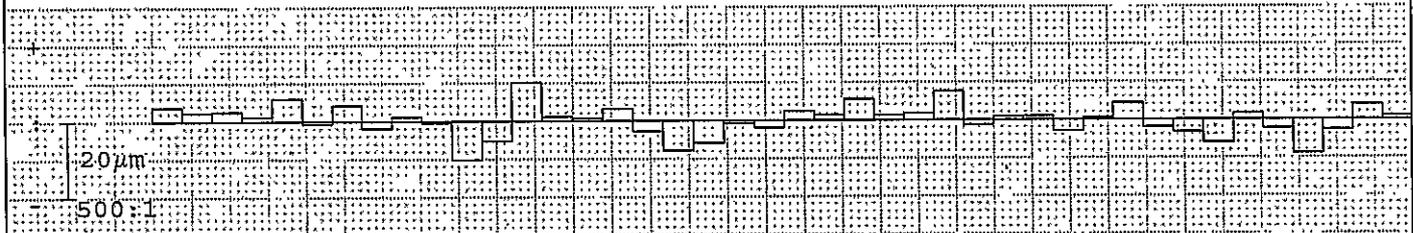
### Errori singoli di divisione fp fianco sinistro



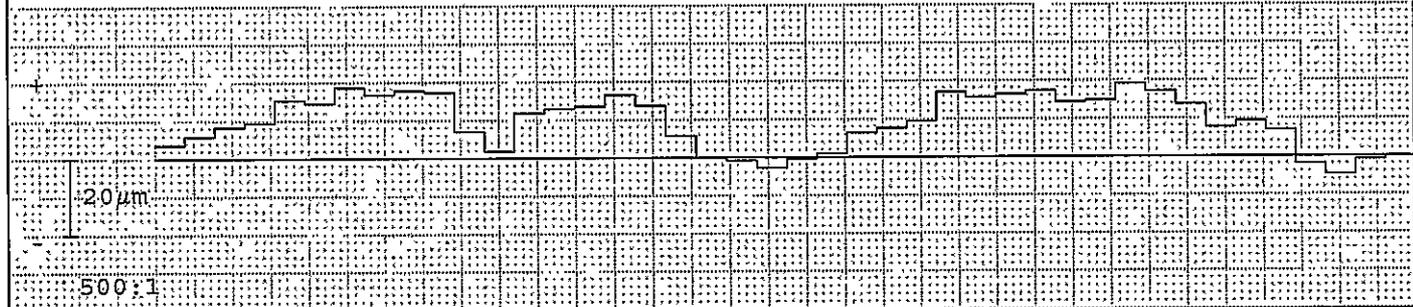
### Errore somma di divisione Fp fianco sinistro



### Errori singoli di divisione fp fianco destro



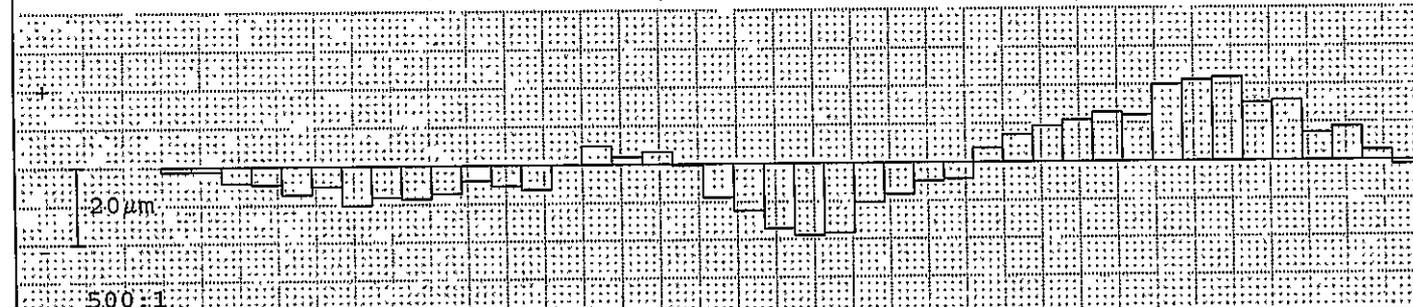
### Errore somma di divisione Fp fianco destro



Corso per misura divis.: 85.794 z=1.5mm	fianco sinistro				fianco destro			
	Val. misur	Qual.	Val. amm	Qual.	Val. misur	Qual.	Val. amm	Qual.
Gr. err. singoli divisione fp max	12				10			
Gr. salto di passo fu max	20				15			
Scarto di divisione Rp	20				20			
Err. globale di divisione Fp-e	30				24			
Err. cordale di divisione Fpz/8	25				19			

### Centricità Fr (Ø-sfera =4mm)

⊙ : 20µm



Err. di concentricità Fr	41	100	
Variaz. spessore dente RS			

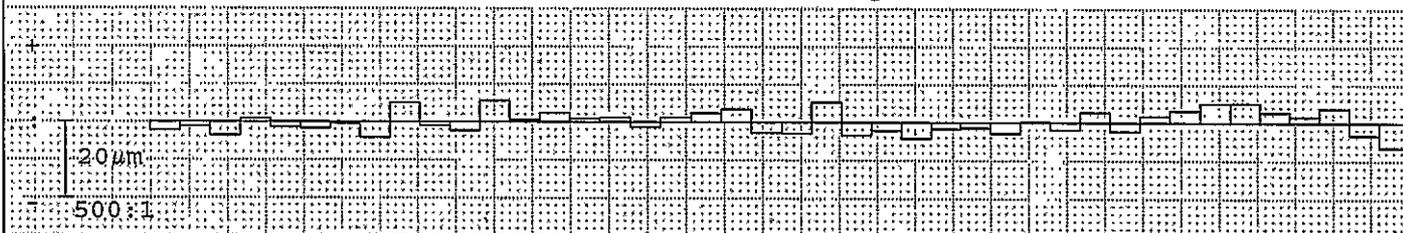


# Ruota cilindrica Divisione

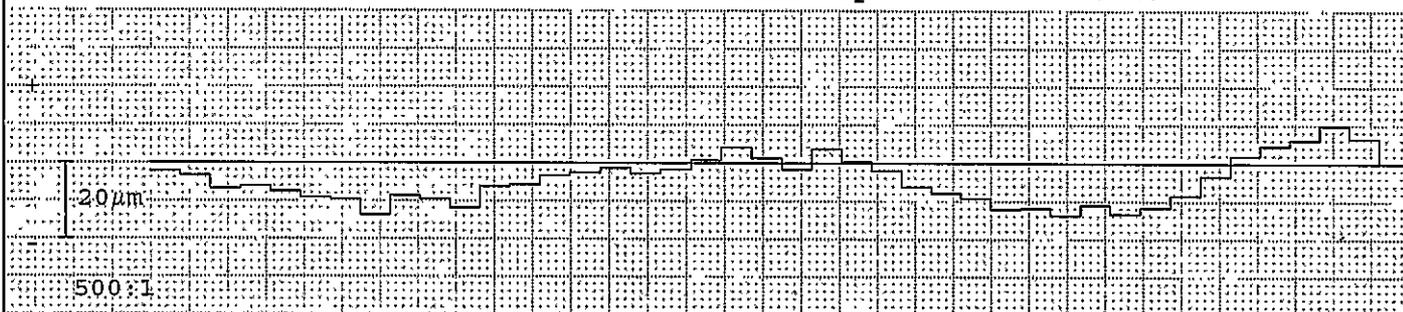


Nr. prog.: STI0412 06 0	P26 B7590	Controllore: turno B	Data: 20.07.2017 10:52
Denominazione: CA SRRW Ford	Numero denti z: 42	Angolo pressione: 30°	
Numero disegno.: 055.8.5463.00-IG1H	Modulo m: 2mm	Angolo elica: 4.5/-4.5°	
Comessa/serie nr.: 4	Untersuchungszweck: Laufende Messung		
Masch.Nr.: M001	Spindel: Formelsteil	Charge:	

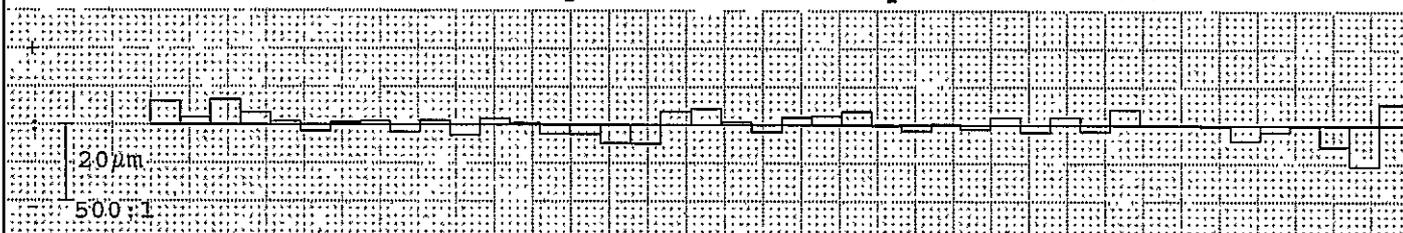
### Errori singoli di divisione fp fianco sinistro



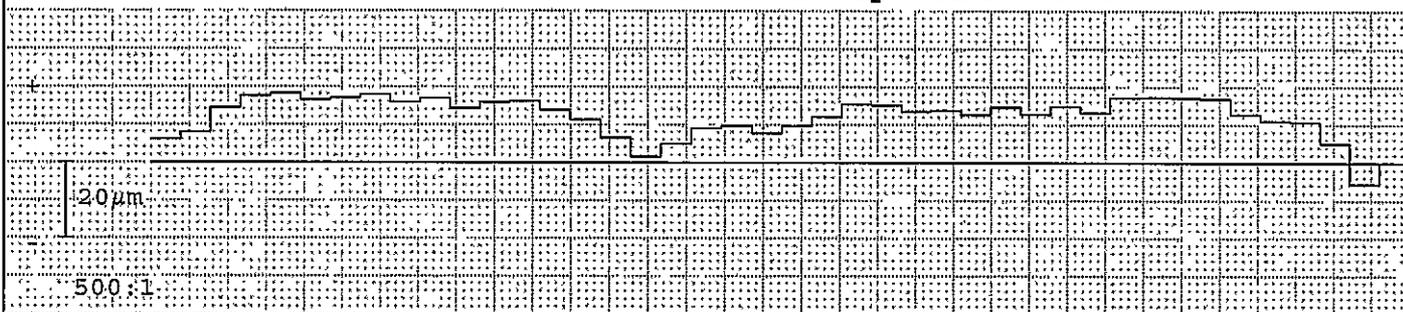
### Errore somma di divisione Fp fianco sinistro



### Errori singoli di divisione fp fianco destro

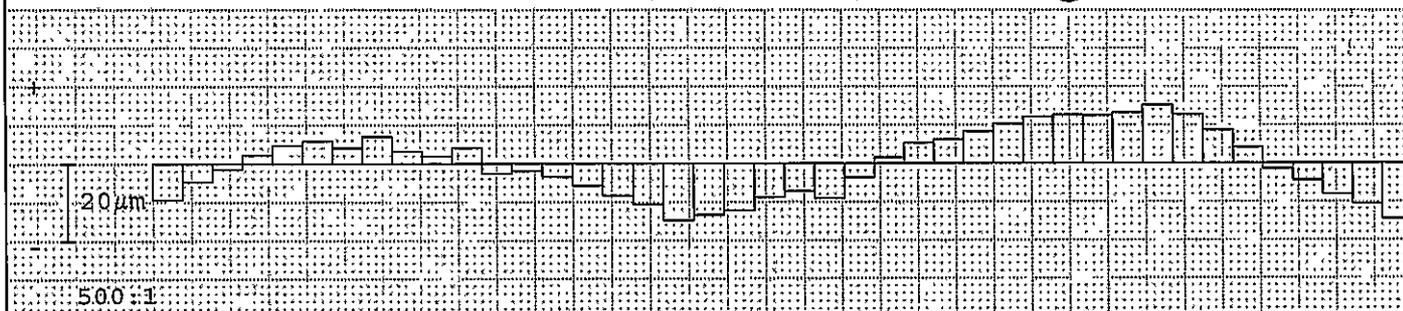


### Errore somma di divisione Fp fianco destro



	fianco sinistro				fianco destro			
	Val. misur	Qual.	Val. amm	Qual.	Val. misur	Qual.	Val. amm	Qual.
Gr. err. singoli divisione fp max	6				11			
Gr. salto di passo fu max	9				16			
Scarto di divisione Rp	12				18			
Err. globale di divisione Fp-e	24				24			
Err. cordale di divisione Fpz/8	18				23			

### Centricità Fr (Ø-sfera =4mm) ⊙ : 12µm



Err. di concentricità Fr	30	100	
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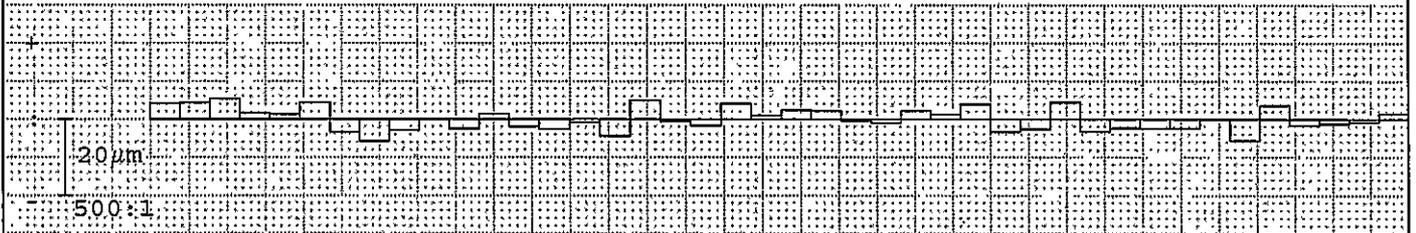


# Ruota cilindrica Divisione

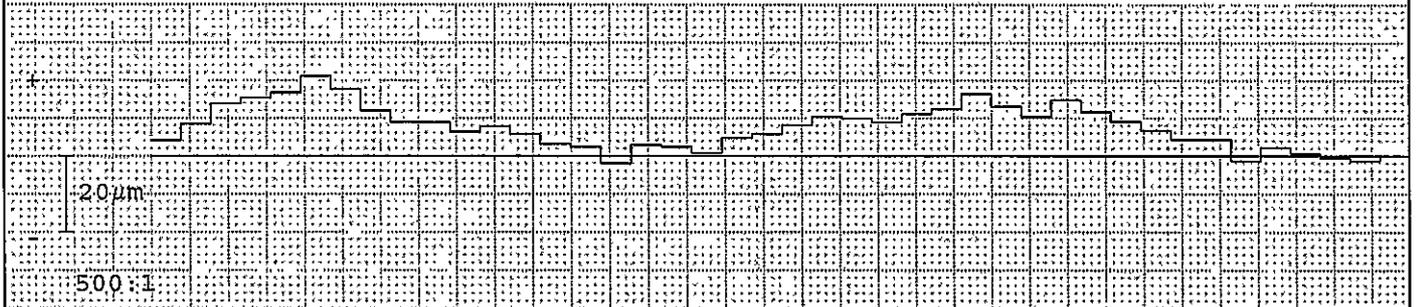


Nr. prog.: STI0412 06 0	P26 B7590	Controllore: turno B	Data: 20.07.2017 10:55
Denominazione: CA SRRW Ford	Numero denti z 42	Angolo pressione 30°	
Numero disegno.: 055.8.5463.00-IG1H	Modulo m 2mm	Angolo elica 4.5/-4.5°	
Commessa/serie nr.: 5	Untersuchungszweck: Laufende Messung		
Masch.Nr.: M001	Spindel: FORMER	Bestellg:	Charge:

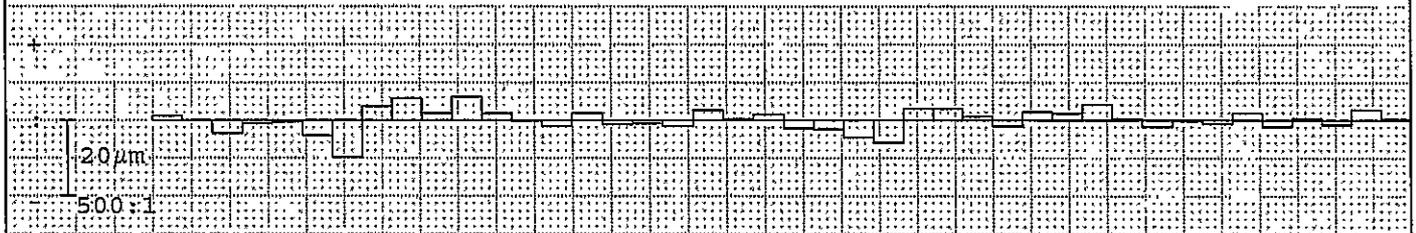
### Errori singoli di divisione fp fianco sinistro



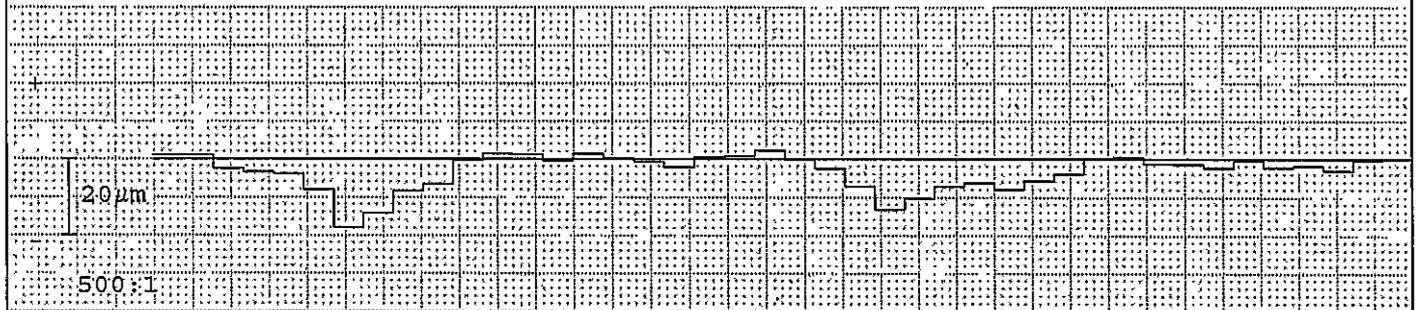
### Errore somma di divisione Fp fianco sinistro



### Errori singoli di divisione fp fianco destro

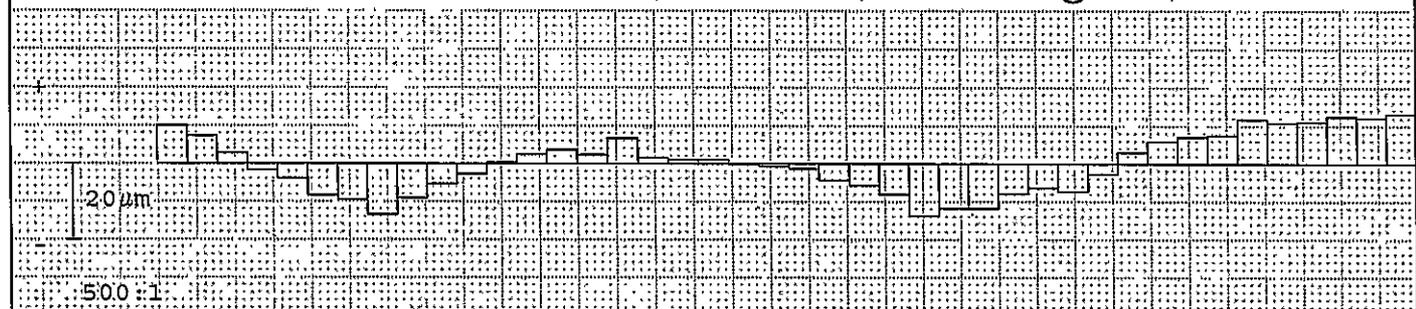


### Errore somma di divisione Fp fianco destro



	fianco sinistro				fianco destro			
	Val. misur	Qual.	Val. amm	Qual.	Val. misur	Qual.	Val. amm	Qual.
Correa per misura divis. 185.794 z=1.5mm								
Gr. err. singoli divisione fp max	6				10			
Gr. salto di passo fu max	9				14			
Scarto di divisione Rp	11				16			
Err. globale di divisione Fp-e	23				20			
Err. cordale di divisione Fpz/B	17				19			

### Centricità Fr (Ø-sfera =4mm) ⊙ : 10µm



Err. di concentricità Fr	27	100	
Variaz. spessore dente Rs			

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PROTOCOLLO DI MISURA ZEISS UMESS

SR4

CICLO CNC

=====

DISEGNO No.	MACCHINA DI MIS.	FORNITORE/CLIENTE	LAVORAZIONE
250.1.4390.35	PRISMO SACC	GETRAG	TORNITURA HARD  -

OPERATORE	DATA&ORA	NUMERO PART.	COD. MACCH.	ORA MISURA
Magrone	20/07/2017	Pz_01		23:30:58

=====

Caratt.	SY	Reale	Nominale	T.Sup	T.Inf	Diff.	Scarto
SUPERF.C.A	t	0.038	0.000	0.100	0.000	0.038	++
ALT. C.A.	Z	24.063	23.930	24.110	23.850	0.133	++

=====

Pag. 1

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PROTOCOLLO STAMPATO DA GS-PROT IL 21/07/2017 12:25:47  
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PROTOCOLLO DI MISURA ZEISS UMESS

SR4

CICLO CNC

=====

DISEGNO No.	MACCHINA DI MIS.	FORNITORE/CLIENTE	LAVORAZIONE
250.1.4390.35	PRISMO SACC	GETRAG	TORNITURA HARD  -

OPERATORE	DATA&ORA	NUMERO PART.	COD. MACCH.	ORA MISURA
Magrone	20/07/2017	Pz_02		23:17:52

=====

Caratt.	SY	Reale	Nominale	T.Sup	T.Inf	Diff.	Scarto
SUPERF.C.A	t	0.017	0.000	0.100	0.000	0.017	+
ALT. C.A.	Z	24.023	23.930	24.110	23.850	0.093	+

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Pag. 1

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PROTOCOLLO STAMPATO DA GS-PROT IL 21/07/2017 12:26:38  
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PROTOCOLLO DI MISURA ZEISS UMESS

SR4

CICLO CNC

=====

DISEGNO No.	MACCHINA DI MIS.	FORNITORE/CLIENTE	LAVORAZIONE
250.1.4390.35	PRISMO SACC	GETRAG	TORNITURA HARD  -

OPERATORE	DATA&ORA	NUMERO PART.	COD. MACCH.	ORA MISURA
Magrone	20/07/2017	Pz_03		22:25:42

=====

Caratt.	SY	Reale	Nominale	T.Sup	T.Inf	Diff.	Scarto
SUPERF.C.A	t	0.051	0.000	0.100	0.000	0.051	+++
ALT. C.A.	Z	24.038	23.930	24.110	23.850	0.108	+

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Pag. 1

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PROTOCOLLO STAMPATO DA GS-PROT IL 21/07/2017 12:28:00  
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PROTOCOLLO DI MISURA ZEISS UMESS

SR4

CICLO CNC

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DISEGNO No.	MACCHINA DI MIS.	FORNITORE/CLIENTE	LAVORAZIONE
250.1.4390.35	PRISMO SACC	GETRAG	TORNITURA HARD  -

OPERATORE	DATA&ORA	NUMERO PART.	COD. MACCH.	ORA MISURA
Magrone	20/07/2017	Pz_04		16:30:41

=====

Caratt.	SY	Reale	Nominale	T.Sup	T.Inf	Diff.	Scarto
SUPERF.C.A	t	0.030	0.000	0.100	0.000	0.030	++
ALT. C.A.	Z	24.009	23.930	24.110	23.850	0.079	+

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Pag. 1

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PROTOCOLLO STAMPATO DA GS-PROT IL 21/07/2017 12:28:43  
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PROTOCOLLO DI MISURA ZEISS UMESS

SR4

CICLO CNC

=====

DISEGNO No.	MACCHINA DI MIS.	FORNITORE/CLIENTE	LAVORAZIONE
250.1.4390.35	PRISMO SACC	GETRAG	TORNITURA HARD  -

OPERATORE	DATA&ORA	NUMERO PART.	COD. MACCH.	ORA MISURA
Magrone	20/07/2017	Pz_05		16:25:38

=====

Caratt.	SY	Reale	Nominale	T.Sup	T.Inf	Diff.	Scarto
SUPERF.C.A	t	0.074	0.000	0.100	0.000	0.074	+++
ALT. C.A.	Z	24.044	23.930	24.110	23.850	0.114	+

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Pag. 1

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PROTOCOLLO STAMPATO DA GS-PROT IL 21/07/2017 12:29:24  
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New P/N 4390 introduction (gear w/o E.R.: 4223.37)

Short description: New ER 120° introduction (already in place on SG1)

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	
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
YES
YES

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

See SC

Part Name <b>Speed Gear 4</b>		Customer Part Number <b>250.1.4705.35</b>	
Shown on Drawing No. <b>250.1.4705.35</b>		Organization Part # _____	
Engineering Change Level <b>- C009610_MIP_1</b>		Dated <b>23-giu-17</b>	
Additional Engineering Changes _____		Dated _____	
Safety and/or Government Regulation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Purchase Order No. _____	Weight (kg) <b>1.0070</b>	
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  
**TYP 250**  
 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 checked="" type="checkbox"/> Initial Submission	<input type="checkbox"/> Change to Optional Construction or Material
<input 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 \_\_\_\_\_

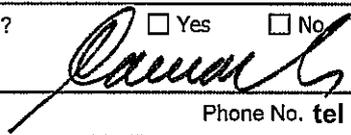
**DECLARATION**

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 1860 / 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: First Submission PPAP for code 250 1 4705 35 (PPAP only for differences respect to 250 1 3642.38)**

**New kk: 055.8.5463.00 (already in place on SG1)**

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

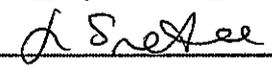
Organization Authorized Signature  Date **20/07/2017**

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

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

**FOR CUSTOMER USE ONLY (IF APPLICABLE)**

Part Warrant Disposition:  Approved  Rejected  Other

Customer Signature  Date **20.07.17**

Print Name \_\_\_\_\_ Customer Tracking Number (optional) \_\_\_\_\_



