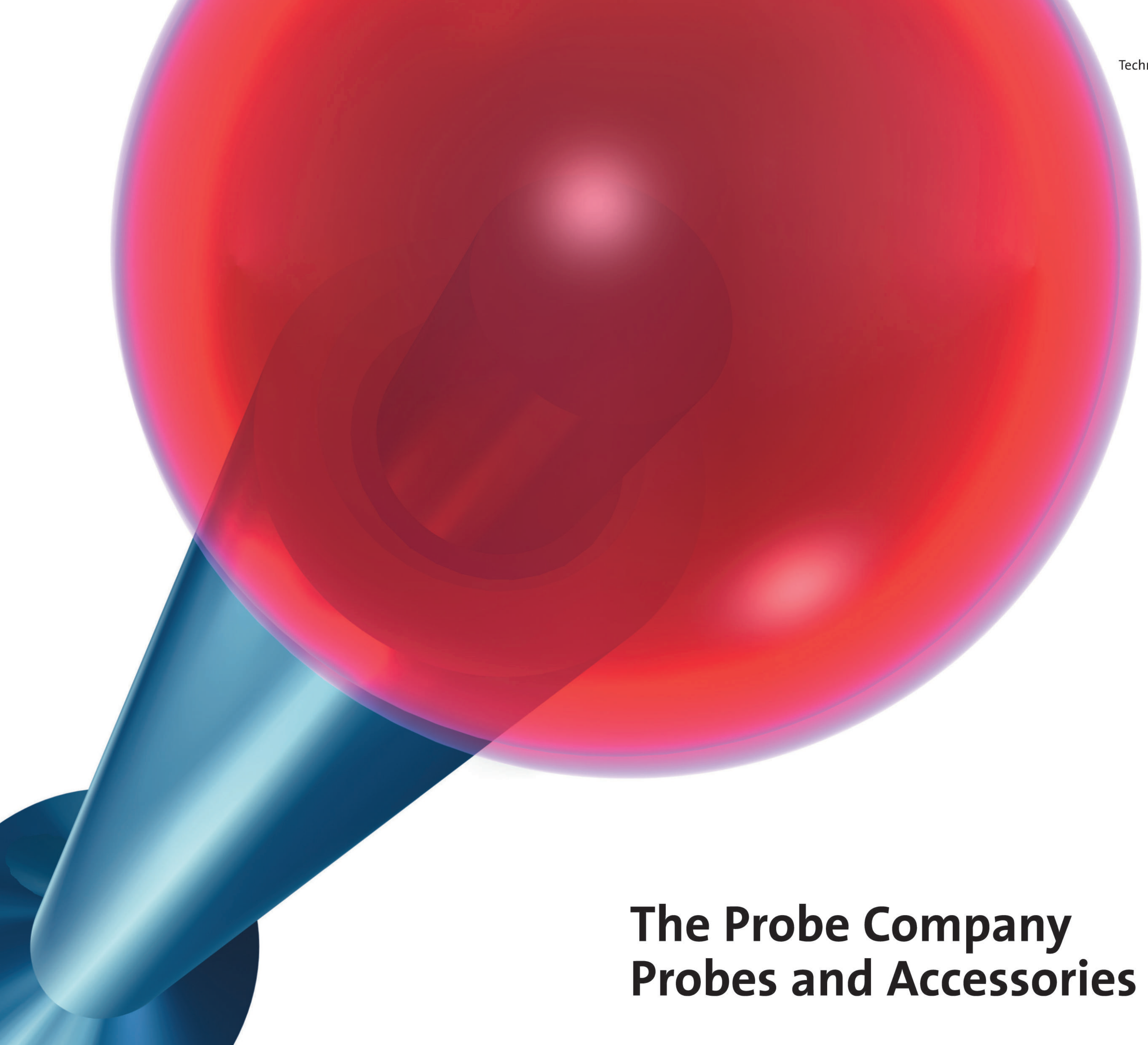
Technical data subject to change without notice
Valid as of 2009

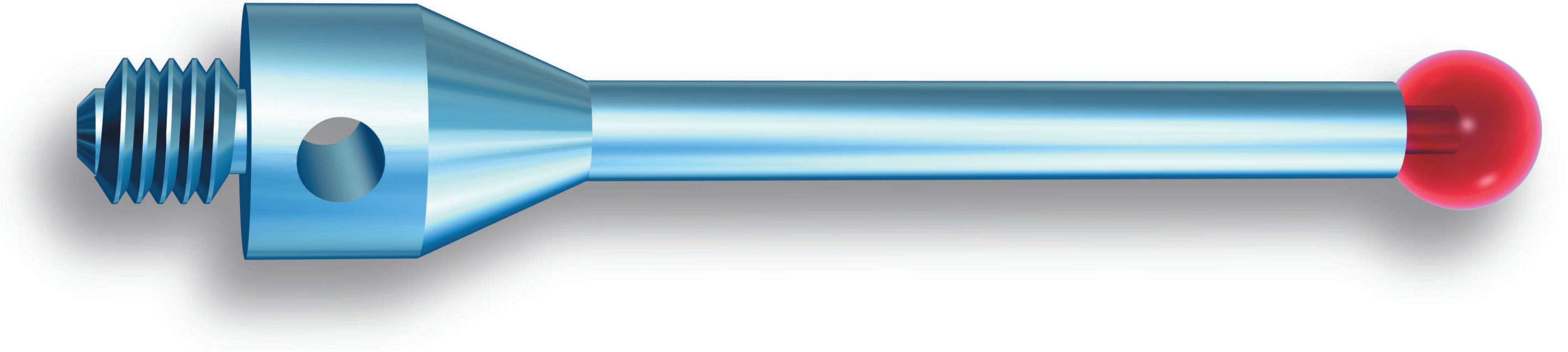


The Probe Company
Probes and Accessories

the probe company

itp. You can rely on us.

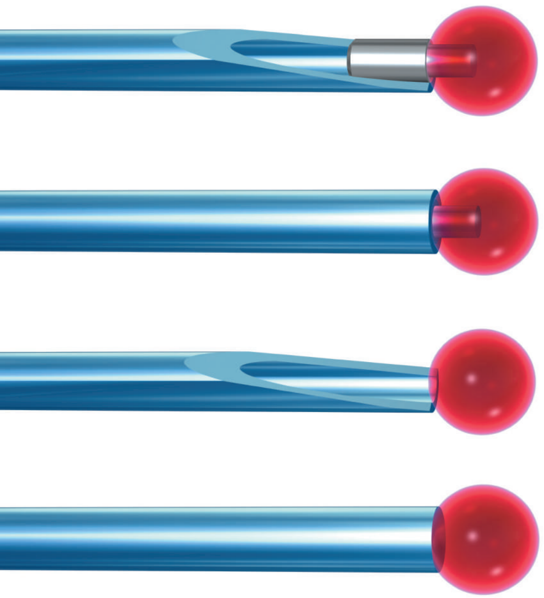
What use is the best probe if it cannot be delivered quickly enough? What good is a custom-made item that blows your budget? itp provides you with top quality products. Fast. At an affordable price.



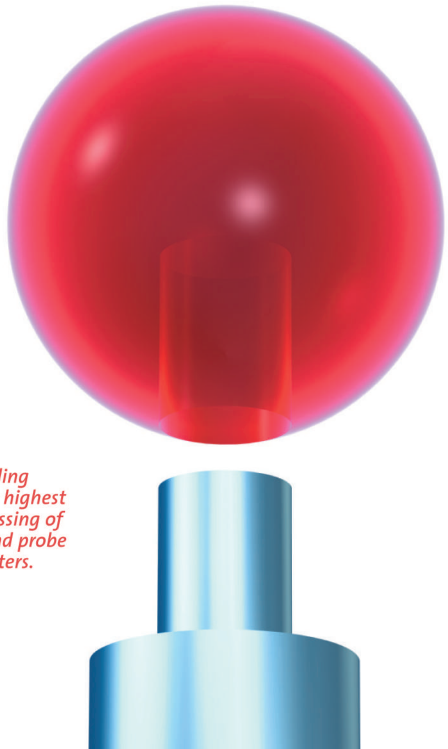
Styli in all dimensions – order today, receive them tomorrow.

- 98 % of all itp standard products are shipped within the same day of the order.
- Ordering made easy.
  That means: You order from where probes are needed. Comfortably, fast, without red tape – by fax, email, or via the internet at www.taster.de.
- Styli and accessories for the probing systems of any of the coordinate measuring equipments of the leading manufacturers.
- As principal supplier of leading manufacturers of coordinate measuring technology, we know what you need.
- A modular system for individual dimensions by itp. Top quality. That means: lightweight, thanks to the hardmetal tube. Tough, thanks to the high quality materials. Durable, thanks to the peg mounted probe balls.

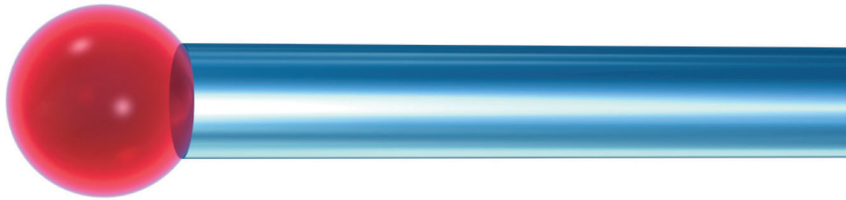
itp. For safe measuring.



itp offers styli of all types, lengths, and with all kinds of threads for all conventional probing systems.

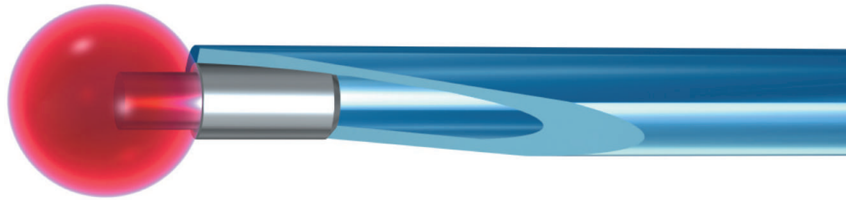


Thanks to cutting edge drilling technology, we achieve the highest precision, even in the processing of ultra-resistant materials and probe balls of the smallest diameters.



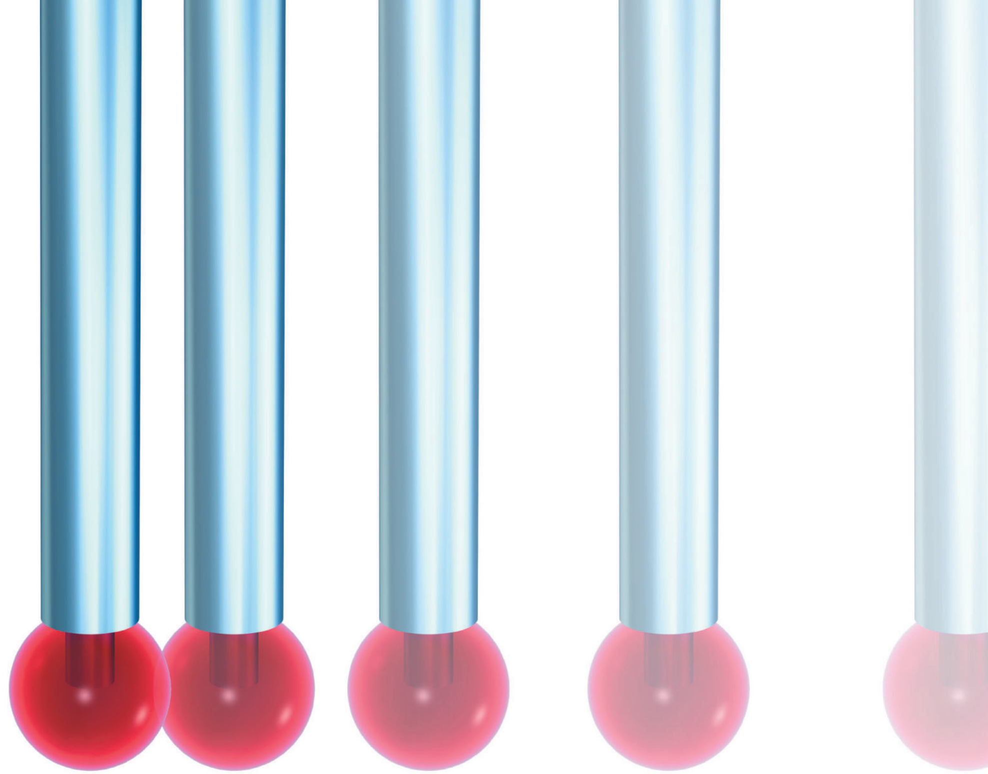
Conventional solid styli.

The choice is yours.



itp manufactures styli made of metal tubes. The advantage: lower and adjustable masses at a high bending strength.

itp. Not a matter of price.

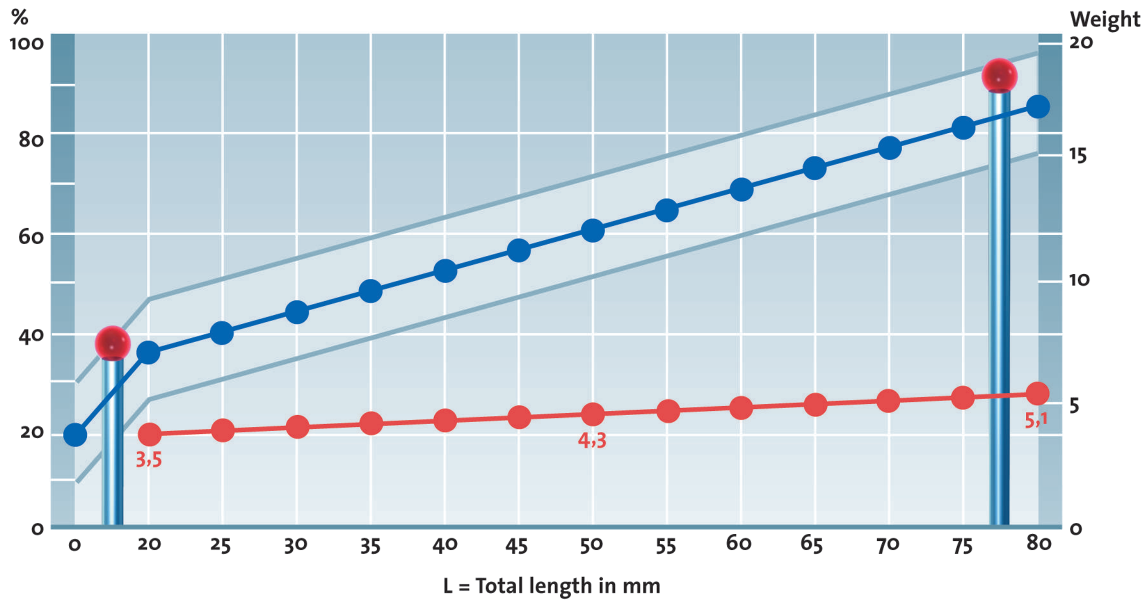


Top quality at an optimal price-performance ratio. Go ahead and compare. You will be pleasantly surprised. Our pricing policy is simple. For every item, a basic price is indicated for the smallest stylus taking into account the material and probe ball diameter.

That's how transparent pricing is at itp.

Price in %

Weight in g



itp. The right choice for all your needs!

Materials for our precision products

Carbide
Deflection-resistant carbide stems for all standard applications at stable ambient temperatures, primarily for the use in the measuring room.

Steel
High-strength precision probing elements with a material strength of 1100 N/mm² for ultraprecise measuring jobs, e.g. as reference probing elements for calibration purposes.

Aluminum
Lightweight, for smaller temperature gradients. For use in temperature stable measuring rooms.

Ceramics
A very lightweight material of an extraordinary strength. For the use in long probing elements with a significantly lower weight. For greater temperature gradients in applications of the production environment.

Carbon fiber
Very lightweight and extremely strong material with a thermal expansion coefficient approaching zero. Ideal for long probing elements in production mesuring technology at ambient temperatures of 15 to 45° C.

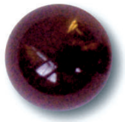
Carbon fiber tube
Wound carbon fiber tube of the highest quality used in aviation and space technology for probing elements, extensions, and complex probing configurations. With a thermal expansion coefficient in the nano range at temperatures between 15 and 40° C. Reproducible results and highest process stability in production measuring technology.

Titanium
Extremely lightweight, high-strength material. itp uses this material in many combinations as connecting element or for extensions. Thanks to the cutting edge laser welding technology, the connections are firmly fused, giving the probing configurations the highest degree of rigidity and stability.

Probe ball materials

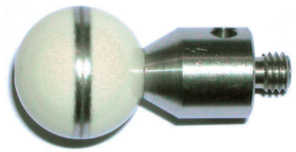
We exclusively use probe balls of the highest precision classes in accordance with AFBMA ball norms grade 3 to grade 5.

Silicon nitride
The probe ball material of the future for coordinate measuring technology. Extremely wear-resistent ceramic material with the lowest surface roughness of all ball materials. Silicon nitride is not attracted by aluminum. That is why during the scanning of aluminum surfaces the transfer of material onto the ball surface is significantly smaller.



Ruby
The ball material for standard applications that has been used for years.

Zirconium oxide
Due to its specific surface, this material is especially appropriate for the scanning of abrasive surfaces, such as cast elements.



This zirconium oxide ball has been used for the sanning of aluminum surfaces. The transfer of material onto the ball surface is clearly visible. For this application, balls made of silicon nitride are far more suitable, since the effect known as 'adhesive wear' is practically eliminated.

itp custom probes

Custom probing elements and accessories.

Technical details

General Terms and Conditions of Sale

Technical details subject to change without notice.

That's how easy it can be: Just tell us what you need.

please complete the form

Custom items

☐ Inquiry ☐ Order

Enter your data. We will take care of the rest.

Thread	M	M	M	M	M	M
Ball diameter in mm (DK)						
Meas. length mm (ML/ML1)						
Total length (L)						
Shaft diam. mm (DS1, DS)						
Shaft Material						
Carbide						
Stainless steel						
Ceramic						
Carbon fiber (CFK)						
Titanium						
Aluminum						
System						
Zeiss (Z); Renishaw (R);						
Brown & Sharpe/Leitz (L);						
Klingelnberg (K);						
Faro (F); Marposs (M)						
Item type	☐	☐	☐	☐	☐	☐
Quantity						

Sent by:

Company

Street

ZIP/City

Name, First Name

Department

Phone/Fax

Order number

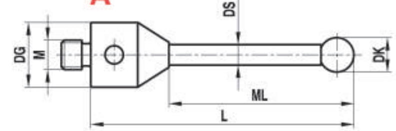
Desired delivery date

Comments

✗ Date/Signature

Item type

A



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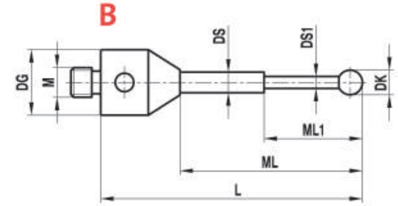

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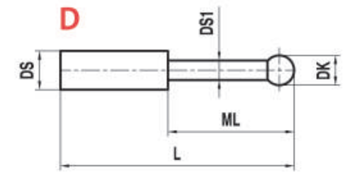

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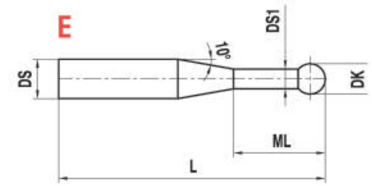

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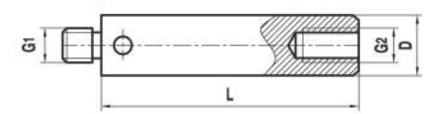

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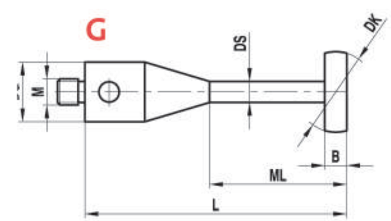

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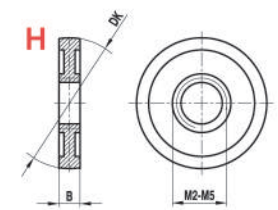

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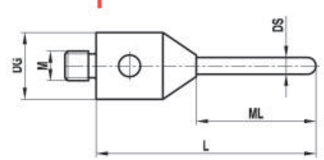

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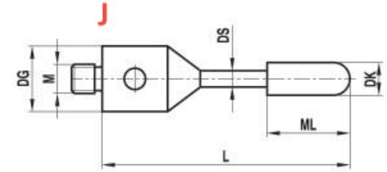


All oders are subject to the General Terms & Conditions.

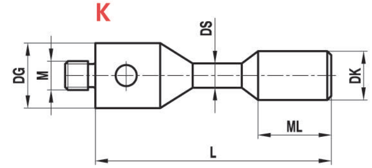
That’s how easy it can be: Just tell us what you need.

☐ We need order forms

Custom items (manual sketch is sufficient)

Item type

K



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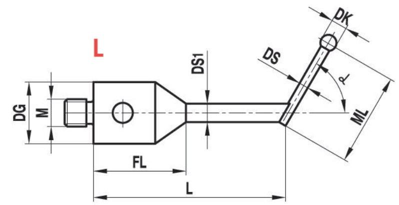

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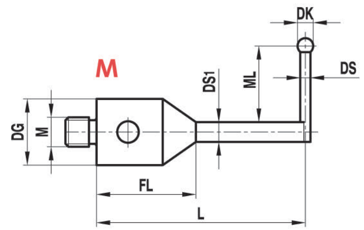

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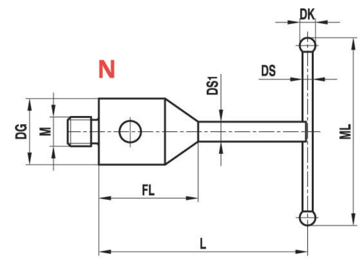

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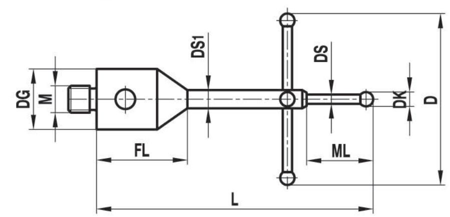

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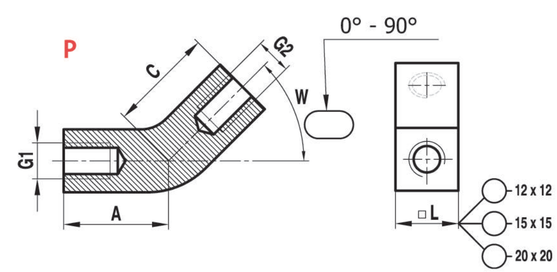

With compliments:

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10 Anson Road, #09-24 International Plaza
Singapore 079903
Ph.: +65-6526-1215
Fax: +65-6526-1216
E-Mail: info@itp-styli.com
Internet: www.itp-styli.com

Headquarters and production

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Rathausstr. 75 – 79
D-66333 Völklingen
Tel.: +49 (0) 68 98 / 8 50 91 - 0
Fax: +49 (0) 68 98 / 8 50 91 - 29
E-Mail: itp@taster.de
Internet: www.taster.de

itp
the probe company

All orders are subject to the General Terms & Conditions.

That's how easy it can be: Just tell us what you need.

☐ Inquiry ☐ Order

Standard items

Enter your data. We will take care of the rest.

Order number	Description	Quantity	Price/item

Please complete the form

Sent by:

Company	Street
ZIP/City	Name, First Name
Department	Phone/Fax
Order number	Desired delivery date
Comments	✗ Date/Signature

All orders are subject to the General Terms & Conditions.

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10 Anson Road, #09-24 International Plaza
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Fax: +49 (0) 68 98 / 8 50 91 - 29
E-Mail: itp@taster.de
Internet: www.taster.de

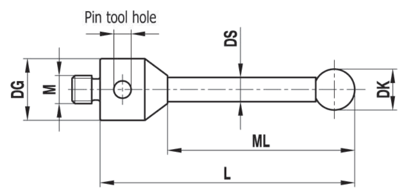
itp the probe company

Technical data of itp styli and accessories
itp exclusively uses probe balls of the highest precision classes, grade 3 to grade 5.

	Material	Form deviation	Diameter deviation	Roughness	Hardness	Density	Thermal expansion	Compression strength (MPa)	Bending strength (MPa)	Fracture toughness ($MN/m^{3/2}$)
Ruby balls	Synthetic ruby monocrystalline Al_2O_3	0.08µm - 0.13µm	0.08µm - 0.13µm	0.007µm - 0.008µm	2400 Vickers	3.99 g/cm^3	$5.4 \cdot 10^{-6} K^{-1}$	2100	400	1
Ceramic balls	Aluminum oxide polycrystalline >99.9 Al_2O_3	0.08µm - 0.13µm	0.08µm - 0.13µm	0.007µm - 0.008µm	2100 Vickers	3.85 g/cm^3	$8.0 \cdot 10^{-6} K^{-1}$	3800	470	4
Silicon nitride balls	Silicon nitride polycrystalline $SI_3 N_4$	0.08µm - 0.13µm	0.08µm - 0.13µm	0.004µm - 0.005µm	1600 Vickers	3.20 g/cm^3	$2.9 \cdot 10^{-6} K^{-1}$	3000	>1000	>6.5
Zirconium oxide balls	Zirconium oxide polycrystalline ZrO_2	0.08µm - 0.13µm	0.08µm - 0.13µm	0.007µm - 0.008µm	1200 Vickers	6.05 g/cm^3	$10.5 \cdot 10^{-6} K^{-1}$	2000	700 - 1100	10

* As per DIN 5401 ISO 3290 & AFBMA 3290, Ball Grade Standards
[1] As per AFBMA Grade 3 to Grade 5

	Material	Hardness	Density
Titanium	3.7035 Grade 2	150 Brinell	4.5 g/cm^3
Stainless Steel	1.4305	300 Vickers	7.95 g/cm^3
Tungsten carbide	DK 120	1700 Vickers	15.0 g/cm^3
Ceramic	Alsint 99.7	9 as per Mohs	3.85 g/cm^3
Carbon fiber	Bending strength > 450 GPa CTE (Coefficient of thermal expansion) -0,4 x 10^{-6} 1/K		



DK	Ball diameter, drilled ball, peg mounted, for all diameters from 0.5 to 30.0 mm.		
DS	Shaft diameter	Shaft material	Carbide / Carbide tube Ceramic / Ceramic tube Stainless steel Carbon fiber / Carbon fiber tube Titamium Aluminum
DG	Base	Thread M2 - M6	M2 = 3 mm M3 = 4 mm M4 = 7 mm M5 = 10 mm compatible Renishaw M5 = 11 mm compatible Zeiss M5 = 12 mm compatible Leitz M6 = 16 mm
ML	Measuring length		
L	Total length		

Technical details subject to change without notice.

General Terms and Conditions of Sale

1. General Terms and Scope of these Terms and Conditions
All contracts of sale and other supply agreements concluded with us are subject to our General Terms and Conditions of Sale below. The placement of an order or the acceptance of delivery shall constitute acceptance thereof. We do not accept the terms and conditions of sale used by the customer that contradict or deviate from our terms and conditions of sale, unless we have explicitly consented to their applicability in writing. Our terms and conditions of sale shall also apply to any future transactions with the customer.

2. Offer
Design work is also to be remunerated in the event that an agreement is not reached. All illustrations, figures and dimensions in our sales documentation are only approximate and not binding. All titles and copyrights in and to cost estimates, calculations, illustrations, figures and other documentation remain in our property. They may not be made available to third parties and are to be returned upon our request.

3. Prices, Terms of Payment
3.1 In the absence of an agreement to the contrary, our prices are quoted ex works excluding packaging, shipping and insurance. Our prices do not include statutory value added tax (VAT).
3.2 In the event that a delivery period exceeding four months is agreed upon, we reserve the right to adjust the prices to the cost increases (e.g. increases in material prices) accordingly.
3.3 Subject to an agreement to the contrary, our invoices are payable within 14 days of the respective invoice date with a 2% discount and within 30 days without deductions. The receipt of the funds shall determine the timeliness of payments. Bills of exchange shall only be accepted without assuming any liability for protest in the presence of a corresponding agreement and subject to their eligibility for discount. The expenses for bills of exchange and discounts are to be borne by the customer, as are the transaction expenses and costs incurred for the cashing of checks.
3.4 Notwithstanding our rights provided under No. 6.3, and should the customer fall into arrears with payments - with one installment in whole or in part, in the event that installments have been stipulated - we may rescind the agreement or claim damages for breach of contract if subsequent payment is not made within a reasonable grace period. We charge arrears interest at a rate of 2% over the current interest rate, with a minimum of at least 5% p.a. We reserve the right to claim additional damages for arrears. The customer shall bear the onus of proof that no or materially fewer damages for arrears were incurred.
3.5 The right of setoff may only be exercised by the customer with undisputed counterclaims or those determined by a final and binding declaratory judgment. The customer may only exercise rights of retention based on claims arising from the same agreement.
3.6 We reserve the right to demand sufficient security for our accounts receivable, including those that are not yet due and payable, whereby further advance performance on our part is subject to this security, should there be any doubt as to the creditworthiness or financial solvency of the customer.

4. Delivery Time
4.1 All stipulated delivery periods shall only begin upon the clarification of all technical issues, the delivery of the documentation, official permissions and releases to be provided by the customer, as well as the receipt of the agreed deposit. Delivery periods shall be deemed to have been respected if the product has left the works or notification of readiness for delivery has been made within the delivery period. The delivery period may be reasonably extended if the order is amended after the initial placing of the order.
4.2 Should we become unable to fulfill our contractual obligations because of unforeseeable and extraordinary circumstances beyond our control, which we have not been able to avoid in spite of making the efforts to be expected from us in such circumstances, (e.g. disruption of operations, regulatory interferences, delays in the supply of important raw materials and construction materials, difficulties related to the supply of energy) – regardless of whether in our works or in those of our suppliers – the delivery period may be reasonably extended if delivery has not become impossible. In the event that delivery becomes impossible, we shall be released from our obligation to deliver. The stipulations above shall also apply in the case of strikes or lockouts. If the delivery time is extended in the cases mentioned above, or we are released from our obligation to deliver, the customer may not assert corresponding claims for damages nor rescind the contract. We will notify the customer of the circumstances mentioned above in a timely manner.
4.3 The customer is entitled to claim verifiable damages for delays incurred, which is, though, limited to 0.5% of the goods' net price for each full week of the delay, and with a maximum of 5% of the goods' net price, should we be responsible for the delay of a delivery. Should the customer in the event of a delayed delivery grant a reasonable grace period threatening to refuse acceptance of the delivery, the customer shall be entitled to rescind the contract once the grace period has expired and no delivery has been made; claims for foreseeable damages on the grounds of non-performance may only be asserted by the customer if we, or our executives, caused the delays willfully or out of gross negligence.
4.4 In the event that the customer fails to accept delivery or violates other obligations to cooperate, we shall be entitled to claim the resulting damages, including any additional expenditures incurred. In this case, the risk of coincidental destruction or deterioration of the goods shall pass to the customer at the time that the customer falls into arrears with the acceptance.
4.5 We are entitled to make partial deliveries and, accordingly, invoice partial amounts.

5. Shipping, Transfer of Perils
5.1 In the absence of an agreement to the contrary, the shipping route and method will be determined by us. The customer shall bear the costs of shipping the goods to the customer's location.
5.2 The risk passes to the customer when the goods are ready for dispatch if the customer is a merchant as per the legal definition. Otherwise, the risk shall pass to the customer as soon as the goods are delivered to the carrier.
5.3 Insurance against damages caused by breakage, shipping, fire and water are available provided the customer explicitly requests these and bears the cost thereof.
5.4 The customer may only refuse acceptance of the goods if it becomes immediately apparent that they deviate form the order.

6. Retention of Title
6.1 We retain title on the goods purchased from us, until all payments due under the corresponding agreement have been received. In the event that the customer is a merchant as per the legal definition, we shall retain the title on all of the goods delivered by us, until all payments due under the business relationship are made.
6.2 The customer is entitled to possess and use the goods, while our retention of title remains in force. Should the customer, however, fall into arrears with payments or fail to fulfill the obligations with regard to the retention of title, we shall be entitled to take repossession of the goods. The repossession of goods subject to retention of title by us shall not constitute a cancellation of the contract. After repossessing the retained goods, we shall be entitled to dispose of them; the proceeds from the disposal of such goods shall be credited against the accounts receivable from the customer – less reasonable transaction costs for disposing of the goods.
6.3 The customer is obliged to keep the retained goods in an orderly condition during the time these are subject to retention of title. We are entitled to insure the retained goods at the cost of the customer against damages resulting from fire, water and otherwise for the period of time title is retained inasmuch as the customer does not provide evidence of sufficient insurance coverage.
6.4 Goods subject to retention of title may only be pledged, assigned as collateral or hired out with our previous written consent. Should third parties intervene with goods subject to retention of title, especially by levying execution, the customer is to immediately notify us in writing and to inform the third party of our retention of title. The costs incurred in pursuing our collateral security shall be borne by the customer to the extent that they can not be claimed from a third party.
6.5 Any processing and conversion of goods supplied by us, which remain in our property, shall be deemed performed on our behalf such that we incur no liabilities herefrom. Should the goods be processed or inseparably commixed with other objects that do not belong to us, we shall gain co-ownership of the new object corresponding to the ratio between the value of the goods supplied by us and the other processed and/or commixed objects at the time of such processing/mixture. If the goods are commixed such that the customer's object is deemed principal object, the parties agree that the customer assigns pro rata co-ownership to us. The customer shall subsequently safeguard the ensuing sole ownership or co-ownership for us. Notwithstanding the aforementioned, the same that applies to goods supplied subject to retention of title shall also apply to the new object.
6.6 The customer is authorized to resell the sold object in the course of ordinary business transactions, unless the customer is in arrears with payment, a motion to initiate insolvency proceedings has been filed or payment have been ceased. The customer however shall herewith assign to us its claims against purchasers arising from the resale or from another legal ground, together with all ancillary rights as collateral irrespective of whether the retained goods are resold in their original state or after being processed. The customer is authorized to collect the account receivable, unless the customer is in arrears with payment, a motion to initiate insolvency proceedings has been filed or payment has been ceased. Upon our request the customer is to notify us of the assigned claims and their debtors, and to provide us with all information and accompanying documentation necessary for their collection, as well as to inform the debtors (third parties) of the assignment.
6.7 If the value of the collateral held by us exceeds the secured claims by more than 20%, we are obliged to release such collateral upon request by the customer; we reserve the right to determine, which collateral will be released.

7. Warranty
7.1 The customer's warranty rights are subject to the customer fulfilling its duties to inspect the goods and disclose nonconformities as provided for by Sections 377, 378 HGB (German Commercial Code). We are to be notified of defects in writing without delay after they are discovered.
7.2 In the event of a defect, for which we are liable, we reserve the right to remedy such defect or provide a replacement at our sole discretion. If we chose to remedy the defect, we shall be obliged to bear all costs thereof, especially the expenditures for shipping and transportation, including the costs for work and material, inasmuch as these are not increased by the fact that the goods were brought somewhere other than the place of performance. Replacement parts shall pass into our ownership.
7.3 Should the subsequent improvement fail, the customer may at its discretion claim a reduction of the purchase price or rescind the contract of sale.
7.4 Notwithstanding anything to the contrary below, further claims by the customer – irrespective of the legal grounds – are precluded. We are not liable for damages suffered by anything other than the goods supplied by us; in particular, we assume no liability for loss of profits or other pecuniary damages suffered by the customer.
7.5 The limitation of liability above shall not apply inasmuch as the damage is caused willfully or because of gross negligence by us or our executives. It shall also not apply if the customer claims damages for breach of contract on the grounds that a warranted quality is lacking.
7.6 The warranty period shall run for six months as of the passage of risk.

8. Liability
8.1 Any liability for damages exceeding that provided for in Numbers 7.4 and 7.5 is excluded – irrespective of the legal nature of the claim asserted.
8.2 The provisions under Subsection 1 shall not apply to claims raised under the Produkthaftungsgesetz (German Product Liability Act).
8.3 Inasmuch as our liability has been excluded or limited, this shall also apply to the personal liability of our executives, employees, assistants, representatives and agents.

9. Place of Jurisdiction, Place of Performance
The laws of the Federal Republic of Germany shall apply exclusively.
The place of performance and jurisdiction shall be at our place of business.

Zeiss Analogue

for probing systems:

ST	ST Central touch trigger probe with/without probe changer
MT	MT Scanning probe system with/without probe changer
VAST	Scanning probe system of the VAST series
RST	Multidirectional touch trigger probing systems of the RST series
Renishaw	Renishaw TP, MP, MIP, SP series

Renishaw Analogue

for probing systems:

TP series	**SP serie**	**LP**	**OMP**
MIP	**MP**	**TS**	**Cyclone**

Leitz

for the systems:
PMM, Sirio and Cygnus as well as all series with Renishaw probing systems.

Klingelnberg Analogue

for gear measuring systems.

Faro Analogue

for Faro arm series.

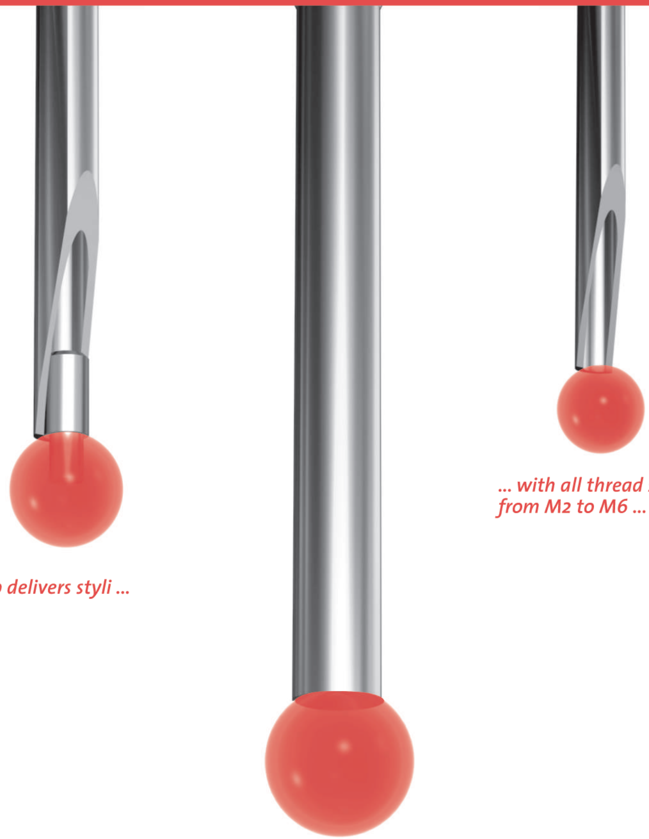
Marposs Analogue

Heidenhain Analogue

Technical details subject to change without notice.

Zeiss Analogue

Technical details subject to change without notice.



... with all thread sizes from M2 to M6 ...

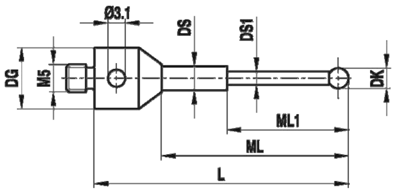
itp delivers styli ...

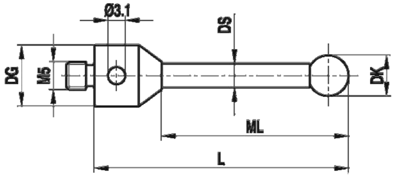
... in all lengths, sizes, and configurations ...

We also offer a vast range of accessories for the probing systems of leading manufacturers of coordinate measuring technology.

Carbide styli

Thread M5
Material Titanium base, carbide stem, ruby ball

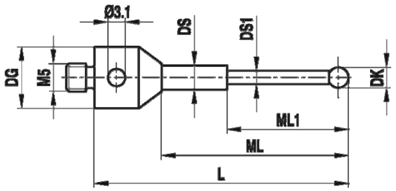


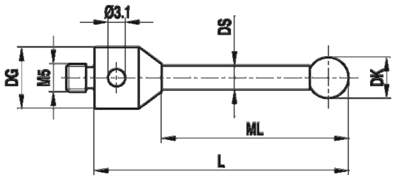


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M5 010 11 020/0,8	-	-	1,0	10,0	11,0	20,0	0,8		6,0
2	TH M5 010 11 030/0,8	-	-	1,0	20,0	11,0	30,0	0,8		6,0
3	TH M5 010 11 020	-	-	1,0	5,0 / 10,0	11,0	20,0	0,8 / 1,0		6,0
4	TH M5 010 11 025	-	-	1,0	5,0 / 15,0	11,0	25,0	0,8 / 1,0		6,0
5	TH M5 010 11 030	-	-	1,0	5,0 / 20,0	11,0	30,0	0,8 / 1,0		6,0
6	TH M5 015 11 030	-	-	1,5	8,0 / 20,0	11,0	30,0	1,0 / 1,5		6,0
7	TH M5 020 11 020	-	-	2,0	10,0	11,0	20,0	1,0		6,0
8	TH M5 020 11 025	-	-	2,0	15,0	11,0	25,0	1,0		6,0
9	TH M5 020 11 030	-	-	2,0	20,0	11,0	30,0	1,5		7,0
10	TH M5 020 11 040	-	-	2,0	30,0	11,0	40,0	1,5		7,0
11	TH M5 030 11 025	602030-9010-000	A-5555-0018	3,0	15,0	11,0	25,0	2,0		4,0
12	TH M5 030 11 033	600342-8020-000	A-5555-0019	3,0	23,5	11,0	33,5	2,0		4,5
13	TH M5 030 11 050	602030-9011-000	A-5555-0020	3,0	40,0	11,0	50,0	2,0		5,2
14	TH M5 030 11 058	600342-8021-000	A-5555-0021	3,0	48,0	11,0	58,0	2,0		5,5
15	TH M5 035 11 058	-	-	3,5	48,0	11,0	58,0	2,0		6,0
16	TH M5 035 11 075	-	-	3,5	65,0	11,0	75,0	2,5		6,5
17	TH M5 035 11 100	-	-	3,5	85,0	11,0	100,0	2,5		7,0
18	TH M5 040 11 030	-	-	4,0	20,0	11,0	30,0	2,0		4,4
19	TH M5 040 11 033	600342-8025-000	A-5555-0022	4,0	23,5	11,0	33,5	2,0		4,5
20	TH M5 040 11 064	602030-9012-000	A-5555-0023	4,0	54,0	11,0	64,0	2,0		5,9
21	TH M5 045 11 053	612030-9661-000	-	4,5	43,0	11,0	53,0	3,5		8,0
22	TH M5 050 11 030	-	-	5,0	20,0	11,0	30,0	3,5		8,0
23	TH M5 050 11 050	602030-9013-000	A-5555-0024	5,0	40,0	11,0	50,0	3,5		9,0
24	TH M5 050 11 053	600342-8022-000	A-5555-0025	5,0	43,0	11,0	53,0	3,5		9,8
25	TH M5 050 11 075	602030-9015-000	A-5555-0026	5,0	65,0	11,0	75,0	3,5		12,5
26	TH M5 050 11 100	-	-	5,0	90,0	11,0	100,0	3,5		15,0
27	TH M5 060 11 054	600342-8026-000	A-5555-0027	6,0	44,0	11,0	54,0	3,5		10,0
28	TH M5 070 11 055	600342-8027-000	A-5555-0028	7,0	45,0	11,0	55,0	3,5		10,0
29	TH M5 080 11 063	600342-8023-000	A-5555-0029	8,0	50,5	11,0	63,5	6,0		24,8
30	TH M5 080 19 063	-	A-5555-0030	8,0	41,5	19,0	63,5	6,0		36,7
31	TH M5 080 11 074	-	A-5555-0031	8,0	61,0	11,0	74,0	6,0		29,5
32	TH M5 080 11 075	602030-9016-000	A-5555-0032	8,0	62,0	11,0	75,0	6,0		30,0
33	TH M5 080 11 100	602030-9017-000	A-5555-0033	8,0	87,0	11,0	100,0	6,0		40,0
34	TH M5 080 11 114	600342-8024-000	A-5555-0034	8,0	101,5	11,0	114,5	6,0		45,8
35	TH M5 080 19 114	600342-8124-000	A-5555-0035	8,0	92,5	19,0	114,5	6,0		57,5
36	TH M5 080 11 150	-	-	8,0	137,0	11,0	150,0	6,0		60,0
37	TH M5 080 11 200	-	-	8,0	175,0	11,0	200,0	6,0		70,0
38	TH M5 090 11 064	-	A-5555-0036	9,0	51,5	11,0	64,5	6,0		26,3
39	TH M5 090 19 064	600342-8128-000	A-5555-0037	9,0	42,5	19,0	64,5	6,0		36,8

Carbide styli

Thread M5
Material Titanium base, carbide stem, ruby ball





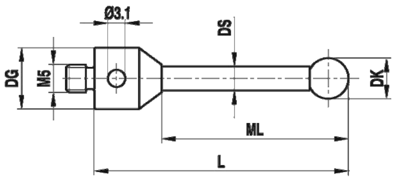
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
40	TH M5 100 11 065	600342-8029-000	A-5555-0038	10,0	52,5	11,0	65,5	6,0		25,8
41	TH M5 100 19 065	-	A-5555-0039	10,0	43,5	19,0	65,5	6,0		37,8
42	TH M5 100 11 118	602030-9018-000	A-5555-0040	10,0	105,0	11,0	118,0	6,0		47,3
43	TH M5 100 11 150	-	-	10,0	137,0	11,0	150,0	6,0		62,0
44	TH M5 100 11 200	-	-	10,0	175,0	11,0	200,0	6,0		75,0
45	TH M5 120 11 065	-	-	12,0	52,5	11,0	65,5	6,0		28,0
46	TH M5 120 11 118	-	-	12,0	105,0	11,0	118,0	6,0		49,0
47	TH M5 120 11 200	-	-	12,0	175,0	11,0	200,0	6,0		76,0
48	TH M5 150 11 065	-	-	15,0	52,5	11,0	65,5	6,0		29,0
49	TH M5 150 11 118	-	-	15,0	105,0	11,0	118,0	6,0		50,0
50	TH M5 150 11 200	-	-	15,0	175,0	11,0	200,0	6,0		78,0

Peg mounted balls. Balls from Ø 12 mm in ceramic. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbide styli for ScanMax

Thread M5
Material Titanium base, carbide stem and ball

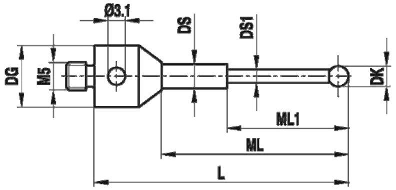


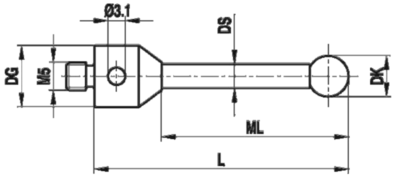
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M5 H30 11 033	000000-1078-483	-	3,0	23,5	11,0	33,5	2,0		4,5
2	TH M5 H50 11 105	000000-1073-344	-	5,0	95,0	11,0	105,0	3,5		15,0
3	TH M5 H80 11 063	612030-9649-000	-	8,0	50,5	11,0	63,5	6,0		25,0

Carbide styli with silicon nitride ball

Thread M5

Material Titanium base, carbide stem, silicon nitride ball, glued





Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M5 S10 11 020/K	-	-	1,0	5,0 / 10,0	11,0	20,0	0,8 / 1,0		3,5
2	TH M5 S10 11 025/K	-	-	1,0	5,0 / 15,0	11,0	25,0	0,8 / 1,0		3,5
3	TH M5 S10 11 030/K	-	-	1,0	5,0 / 20,0	11,0	30,0	0,8 / 1,0		3,8
4	TH M5 S15 11 030/K	-	-	1,5	8,0 / 20,0	11,0	30,0	1,0 / 1,5		3,5
5	TH M5 S20 11 020/K	-	-	2,0	10,0	11,0	20,0	1,0		3,5
6	TH M5 S20 11 025/K	-	-	2,0	15,0	11,0	25,0	1,0		3,5
7	TH M5 S20 11 030/K	-	-	2,0	20,0	11,0	30,0	1,5		3,8
8	TH M5 S20 11 040/K	-	-	2,0	30,0	11,0	40,0	1,5		4,0
9	TH M5 S30 11 025/K	626115-0303-025	-	3,0	15,0	11,0	25,0	2,0		4,0
10	TH M5 S30 11 033/K	626115-0300-033	-	3,0	23,5	11,0	33,5	2,0		4,5
11	TH M5 S30 11 050/K	626115-0302-050	-	3,0	40,0	11,0	50,0	2,0		5,3
12	TH M5 S30 11 058/K	626115-0300-058	-	3,0	48,0	11,0	58,0	2,0		5,5
13	TH M5 S40 11 033/K	626115-0400-034	-	4,0	23,5	11,0	33,5	2,0		4,5
14	TH M5 S40 11 064/K	626115-0401-064	-	4,0	54,0	11,0	64,0	2,0		5,9
15	TH M5 S50 11 030/K	-	-	5,0	20,0	11,0	30,0	3,5		8,0
16	TH M5 S50 11 050/K	626115-0501-050	-	5,0	40,0	11,0	50,0	3,5		9,0
17	TH M5 S50 11 053/K	626115-0501-053	-	5,0	43,0	11,0	53,0	3,5		9,8
18	TH M5 S50 11 075/K	626115-0500-075	-	5,0	65,0	11,0	75,0	3,5		12,5
19	TH M5 S50 11 100/K	-	-	5,0	90,0	11,0	100,0	3,5		18,0
20	TH M5 S60 11 054/K	-	-	6,0	44,0	11,0	54,0	3,5		10,0
21	TH M5 S70 11 055/K	-	-	7,0	45,0	11,0	55,0	3,5		10,0
22	TH M5 S80 11 063/K	626115-0800-064	-	8,0	50,5	11,0	63,5	6,0		36,6
23	TH M5 S80 11 075/K	626115-0800-075	-	8,0	62,0	11,0	75,0	6,0		29,4
24	TH M5 S80 11 100/K	626115-0801-100	-	8,0	87,0	11,0	100,0	6,0		39,9
25	TH M5 S80 11 114/K	626115-0800-115	-	8,0	101,5	11,0	114,5	6,0		45,7
26	TH M5 S90 11 064/K	-	-	9,0	51,5	11,0	64,5	6,0		26,3
27	TH M5 S100 11 065/K	-	-	10,0	52,5	11,0	65,5	6,0		25,8
28	TH M5 S100 11 118/K	-	-	10,0	105,0	11,0	118,0	6,0		47,3
29	TH M5 S100 11 150/K	-	-	10,0	137,0	11,0	150,0	6,0		60,0

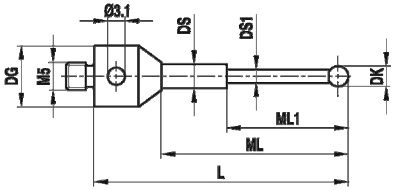
Special designs on request.

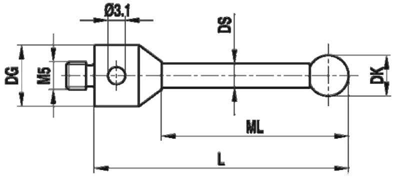
All existing ball materials are available upon request for all styli and all thread sizes.

Carbide styli with silicon nitride ball

Thread M5

Material Titanium base, carbide stem, silicon nitride ball, peg mounted for higher stiffness





Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M5 S10 11 020	-	-	1,0	5,0 / 10,0	11,0	20,0	0,8 / 1,0		3,5
2	TH M5 S10 11 025	-	-	1,0	5,0 / 15,0	11,0	25,0	0,8 / 1,0		3,5
3	TH M5 S10 11 030	-	-	1,0	5,0 / 20,0	11,0	30,0	0,8 / 1,0		3,8
4	TH M5 S15 11 030	-	-	1,5	8,0 / 20,0	11,0	30,0	1,0 / 1,5		3,5
5	TH M5 S20 11 020	-	-	2,0	10,0	11,0	20,0	1,0		3,5
6	TH M5 S20 11 025	-	-	2,0	15,0	11,0	25,0	1,0		3,5
7	TH M5 S20 11 030	-	-	2,0	20,0	11,0	30,0	1,5		3,8
8	TH M5 S20 11 040	-	-	2,0	30,0	11,0	40,0	1,5		4,0
9	TH M5 S30 11 025	-	-	3,0	15,0	11,0	25,0	2,0		4,0
10	TH M5 S30 11 033	-	-	3,0	23,5	11,0	33,5	2,0		4,5
11	TH M5 S30 11 050	-	-	3,0	40,0	11,0	50,0	2,0		5,3
12	TH M5 S30 11 058	-	-	3,0	48,0	11,0	58,0	2,0		5,5
13	TH M5 S40 11 033	-	-	4,0	23,5	11,0	33,5	2,0		4,5
14	TH M5 S40 11 064	-	-	4,0	54,0	11,0	64,0	2,0		5,9
15	TH M5 S50 11 030	-	-	5,0	20,0	11,0	30,0	3,5		8,0
16	TH M5 S50 11 050	-	-	5,0	40,0	11,0	50,0	3,5		9,0
17	TH M5 S50 11 053	-	-	5,0	43,0	11,0	53,0	3,5		9,8
18	TH M5 S50 11 075	-	-	5,0	65,0	11,0	75,0	3,5		12,5
19	TH M5 S50 11 100	-	-	5,0	90,0	11,0	100,0	3,5		18,0
20	TH M5 S60 11 054	-	-	6,0	44,0	11,0	54,0	3,5		10,0

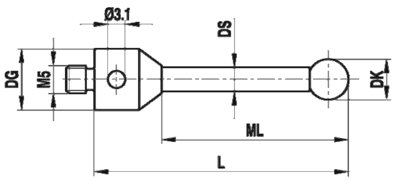
Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Reference styli (red dot)

Thread M5

Material Base and stem high-strength steel, ruby ball

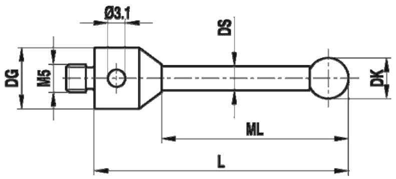


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M5 R80 11 063	600342-8023-010	-	8,0	50,5	11,0	63,5	6,0		24,8

High rigidity styli

Thread M5

Material Base and stem high-strength steel, ruby ball, manufactured in one piece, hardened



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M5 030 11 033	-	-	3,0	23,5	11,0	33,5	2,0		6,0
2	TI M5 030 11 050	-	-	3,0	40,0	11,0	50,0	2,0		6,5
3	TI M5 050 11 050	-	-	5,0	40,0	11,0	50,0	3,5		8,7
4	TI M5 050 11 053	-	-	5,0	43,0	11,0	53,0	3,5		8,9
5	TI M5 050 11 075	-	-	5,0	65,0	11,0	75,0	3,5		10,2
6	TI M5 080 11 063	-	-	8,0	50,5	11,0	63,5	6,0		17,5
7	TI M5 080 11 075	-	-	8,0	62,0	11,0	75,0	6,0		21,0
8	TI M5 080 11 100	-	-	8,0	87,0	11,0	100,0	6,0		29,0
9	TI M5 080 11 114	-	-	8,0	101,5	11,0	114,5	6,0		33,0

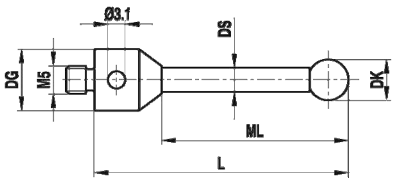
Glued balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

High rigidity styli with silicon nitride ball

Thread M5

Material Base and stem high-strength steel, silicon nitride ball, manufactured in one piece, hardened



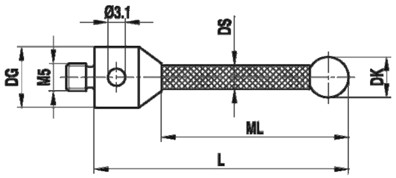
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M5 S30 11 033	-	-	3,0	23,5	11.0	33,5	2,0		6,0
2	TI M5 S30 11 050	-	-	3,0	40,0	11,0	50,0	2,0		6,5
3	TI M5 S50 11 050	-	-	5,0	40,0	11,0	50,0	3,5		8,7
4	TI M5 S50 11 053	-	-	5,0	43,0	11,0	53,0	3,5		8,9
5	TI M5 S50 11 075	-	-	5,0	65,0	11,0	75,0	3,5		10,2
6	TI M5 S80 11 063	-	-	8,0	50,5	11,0	63,5	6,0		17,5
7	TI M5 S80 11 075	-	-	8,0	62,0	11,0	75,0	6,0		21,0
8	TI M5 S80 11 100	-	-	8,0	87,0	11,0	100,0	6,0		29,0
9	TI M5 S80 11 114	-	-	8,0	101,5	11,0	114,5	6,0		33,0

Glued balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable

Thread M5
Material Titanium base, carbon fibre stem, thermostable, ruby ball



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M5 030 11 025	626105-0300-025	-	3,0	15,0	11,0	25,0	2,0		4,0
2	TC M5 030 11 033	626105-0300-033	-	3,0	23,5	11,0	33,5	2,0		4,2
3	TC M5 030 11 050	626105-0300-050	-	3,0	40,0	11,0	50,0	2,0		4,5
4	TC M5 030 11 058	626105-0300-058	-	3,0	48,0	11,0	58,0	2,0		4,9
5	TC M5 040 11 033	626105-0400-033	-	4,0	23,5	11,0	33,5	2,0		4,2
6	TC M5 040 11 064	626105-0400-064	-	4,0	54,0	11,0	64,0	2,0		4,6
7	TC M5 050 11 050	626105-0510-050	-	5,0	40,0	11,0	50,0	3,5		4,8
8	TC M5 050 11 053	-	-	5,0	43,0	11,0	53,0	3,5		4,9
9	TC M5 050 11 075	626105-0510-075	-	5,0	65,0	11,0	75,0	3,5		5,0
10	TC M5 050 11 100	626105-0510-100	-	5,0	90,0	11,0	100,0	3,5		5,4
11	TC M5 060 11 054	626105-0610-054	-	6,0	44,0	11,0	54,0	3,5		4,9
12	TC M5 070 11 055	626105-0710-055	-	7,0	45,0	11,0	55,0	3,5		4,9
13	TC M5 080 11 063	626105-0820-063	-	8,0	50,5	11,0	63,5	6,0		7,0
14	TC M5 080 11 075	626105-0820-075	-	8,0	62,0	11,0	75,0	6,0		7,3
15	TC M5 080 11 100	626105-0820-100	-	8,0	87,0	11,0	100,0	6,0		7,5
16	TC M5 080 11 114	626105-0820-114	-	8,0	101,5	11,0	114,5	6,0		9,5
17	TC M5 080 11 150	626105-0820-150	-	8,0	137,0	11,0	150,0	6,0		11,0
18	TC M5 080 11 200	626105-0820-200	-	8,0	187,0	11,0	200,0	6,0		13,0
19	TC M5 090 11 064	-	-	9,0	51,5	11,0	64,5	6,0		7,2
20	TC M5 100 11 065	626105-1020-065	-	10,0	52,5	11,0	65,5	6,0		8,0
21	TC M5 100 11 118	626105-1020-118	-	10,0	105,0	11,0	118,0	6,0		14,5
22	TC M5 100 11 150	626105-1020-150	-	10,0	137,0	11,0	150,0	6,0		16,0
23	TC M5 100 11 200	626105-1020-200	-	10,0	187,0	11,0	200,0	6,0		19,0

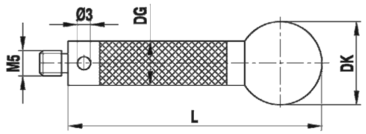
Peg mounted balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable

Thread M5

Material Titanium base, carbon fibre stem, thermostable, ceramic ball



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M5 150 11 200	-	-	15,0		11,0	200,0			35,0
2	TC M5 150 11 300	-	-	15,0		11,0	300,0			42,0
3	TC M5 150 11 400	-	-	15,0		11,0	400,0			48,0
4	TC M5 150 11 500	-	-	15,0		11,0	500,0			55,0
5	TC M5 180 11 200	-	-	18,0		11,0	200,0			42,0
6	TC M5 180 11 300	-	-	18,0		11,0	300,0			49,0
7	TC M5 180 11 400	-	-	18,0		11,0	400,0			55,0
8	TC M5 180 11 500	-	-	18,0		11,0	500,0			62,0
9	TC M5 200 11 200	-	-	20,0		11,0	200,0			46,0
10	TC M5 200 11 300	-	-	20,0		11,0	300,0			53,0
11	TC M5 200 11 400	-	-	20,0		11,0	400,0			59,0
12	TC M5 200 11 500	-	-	20,0		11,0	500,0			66,0
13	TC M5 250 11 200	-	-	25,0		11,0	200,0			62,0
14	TC M5 250 11 300	-	-	25,0		11,0	300,0			69,0
15	TC M5 250 11 400	-	-	25,0		11,0	400,0			75,0
16	TC M5 250 11 500	-	-	25,0		11,0	500,0			82,0

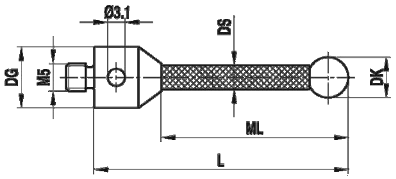
Balls glued. Maximum length ca. 950 mm. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials (except for ruby) are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable with silicon nitride ball

Thread M5

Material Titanium base, carbon fibre stem, thermostable, silicon nitride ball, peg mounted*



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M5 S30 11 025	-	-	3,0	15,0	11,0	25,0	2,0		4,0
2	TC M5 S30 11 033	626105-0301-033	-	3,0	23,5	11,0	33,5	2,0		4,2
3	TC M5 S30 11 050	-	-	3,0	40,0	11,0	50,0	2,0		4,5
4	TC M5 S30 11 058	626105-0301-058	-	3,0	48,0	11,0	58,0	2,0		4,9
5	TC M5 S40 11 033	-	-	4,0	23,5	11,0	33,5	2,0		4,2
6	TC M5 S40 11 064	-	-	4,0	54,0	11,0	64,0	2,0		4,6
7	TC M5 S50 11 050	626105-0511-050	-	5,0	40,0	11,0	50,0	3,5		4,8
8	TC M5 S50 11 053	-	-	5,0	43,0	11,0	53,0	3,5		4,9
9	TC M5 S50 11 075	626105-0511-075	-	5,0	65,0	11,0	75,0	3,5		5,0
10	TC M5 S50 11 100	626105-0511-100	-	5,0	90,0	11,0	100,0	3,5		5,4
11	TC M5 S60 11 054	-	-	6,0	44,0	11,0	54,0	3,5		4,9
12	TC M5 S70 11 055	-	-	7,0	45,0	11,0	55,0	3,5		4,9
13	TC M5 S80 11 063	626105-0821-063	-	8,0	50,5	11,0	63,5	6,0		7,0
14	TC M5 S80 11 075	-	-	8,0	62,0	11,0	75,0	6,0		7,3
15	TC M5 S80 11 100	626105-0821-100	-	8,0	87,0	11,0	100,0	6,0		7,5
16	TC M5 S80 11 114	626105-0821-114	-	8,0	101,5	11,0	114,5	6,0		9,5
17	TC M5 S80 11 150	626105-0821-150	-	8,0	137,0	11,0	150,0	6,0		11,0
18	TC M5 S80 11 200	626105-0821-200	-	8,0	187,0	11,0	200,0	6,0		13,0
19	TC M5 S90 11 064	-	-	9,0	51,5	11,0	64,5	6,0		7,2
20	TC M5 S100 11 065	-	-	10,0	52,5	11,0	65,5	6,0		8,0
21	TC M5 S100 11 118	626105-1021-118	-	10,0	105,0	11,0	118,0	6,0		14,5
22	TC M5 S100 11 150	626105-1021-150	-	10,0	137,0	11,0	150,0	6,0		16,0
23	TC M5 S100 11 200	626105-1021-200	-	10,0	187,0	11,0	200,0	6,0		19,0

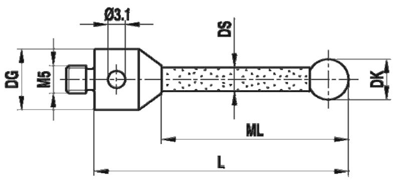
Peg mounted balls up to ball-Ø 6 mm. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli

Thread M5

Material Titanium base, ceramic stem, ruby ball



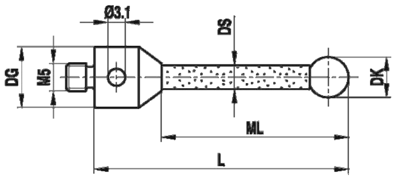
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M5 050 11 053	600342-8013-000	A-5555-0041	5,0	43,0	11,0	53,0	3,5		4,6
2	TK M5 060 11 054	600342-8016-000	A-5555-0042	6,0	44,0	11,0	54,0	3,5		4,7
3	TK M5 070 11 055	600342-8017-000	A-5555-0043	7,0	45,0	11,0	55,0	3,5		5,0
4	TK M5 080 11 063	600342-8014-000	A-5555-0044	8,0	50,5	11,0	63,5	6,0		8,3
5	TK M5 080 19 063	-	A-5003-0824	8,0	41,5	19,0	63,5	6,0		33,0
6	TK M5 080 11 114	600342-8015-000	A-5555-0050	8,0	101,5	11,0	114,5	6,0		11,8
7	TK M5 080 19 114	-	A-5555-0051	8,0	92,5	19,0	114,5	6,0		38,0
8	TK M5 090 11 064	600342-8018-000	A-5555-0045	9,0	51,5	11,0	64,5	6,0		8,4
9	TK M5 090 19 064	-	A-5003-0826	9,0	42,5	19,0	64,5	6,0		21,0
10	TK M5 100 11 065	600342-8019-000	A-5555-0047	10,0	52,5	11,0	65,5	6,0		9,0
11	TK M5 100 19 065	-	A-5003-0827	10,0	43,5	19,0	65,5	6,0		38,0

Balls glued. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli with silicon nitride ball

Thread M5
Material Titanium base, ceramic stem, silicon nitride ball



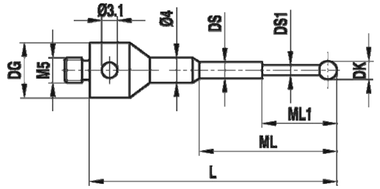
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M5 S50 11 053	-	-	5,0	43,0	11,0	53,0	3,5		4,6
2	TK M5 S60 11 054	-	-	6,0	44,0	11,0	54,0	3,5		4,7
3	TK M5 S70 11 055	-	-	7,0	45,0	11,0	55,0	3,5		5,0
4	TK M5 S80 11 063	-	-	8,0	50,5	11,0	63,5	6,0		8,3
5	TK M5 S80 11 114	-	-	8,0	101,5	11,0	114,5	6,0		11,8
6	TK M5 S90 11 064	-	-	9,0	51,5	11,0	64,5	6,0		8,4
7	TK M5 S100 11 065	-	-	10,0	52,5	11,0	65,5	6,0		9,0

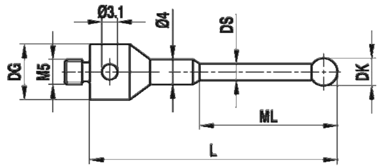
Balls glued. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Micro ball styli, stepped stem

Thread M5
Material Steel base, carbide stem, ruby ball





Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	FH M5 002 11 032	-	-	0,2	2,3/12,0	11,0	32,0	0,18/1,0		6,5
2	FH M5 0025 11 032	-	-	0,25	2,3/12,0	11,0	32,0	0,18/1,0		6,5
3	FH M5 003 11 032	-	-	0,3	2,3/12,0	11,0	32,0	0,2/1,0		6,5
4	FH M5 005 11 032	-	-	0,5	2,5/12,0	11,0	32,0	0,3/1,0		6,5
5	FH M5 006 11 032	-	-	0,6	4,6/12,0	11,0	32,0	0,4/1,0		6,5
6	FH M5 008 11 032	602030-8060-000	A-5555-0052	0,8	4,8/12,0	11,0	32,0	0,6/1,0		6,8
7	FH M5 010 11 032	602030-8061-000	A-5555-0053	1,0	5,0/12,0	11,0	32,0	0,8/1,0		6,8
8	FH M5 013 11 032	602030-8062-000	A-5555-0054	1,35	12,0	11,0	32,0	1,0		6,9
9	FH M5 013 11 044	602030-8063-000	A-5555-0055	1,35	19,0	11,0	44,0	1,0		7,5
10	FH M5 015 11 032	602030-8064-000	A-5555-0056	1,5	12,0	11,0	32,0	1,0		6,5
11	FH M5 015 11 044	602030-8065-000	A-5555-0057	1,5	19,0	11,0	44,0	1,0		7,5
12	FH M5 020 11 032	602030-8066-000	A-5555-0058	2,0	12,0	11,0	32,0	1,5		7,3
13	FH M5 020 11 044	602030-8067-000	A-5555-0059	2,0	19,0	11,0	44,0	1,5		8,0
14	FH M5 020 11 058	602030-8068-000	A-5555-0060	2,0	33,0	11,0	58,0	1,5		8,0
15	FH M5 025 11 032	602030-8069-000	A-5555-0061	2,5	12,0	11,0	32,0	1,5		7,3
16	FH M5 025 11 044	602030-8070-000	A-5555-0062	2,5	19,0	11,0	44,0	1,5		8,0
17	FH M5 025 11 058	602030-8071-000	A-5555-0063	2,5	33,0	11,0	58,0	1,5		8,0

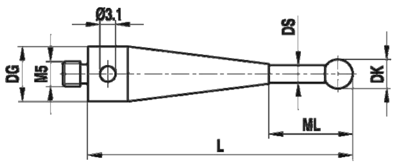
Peg mounted balls, except for ball-Ø 0,2 - 0,3 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Micro ball styli

Thread M5

Material Conic titanium base, carbide stem, ruby ball



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	FT M5 010 11 055	602030-9019-000	A-5555-0064	1,0	5,0	11,0	55,0	0,8		11,9
2	FT M5 015 11 055	602030-9020-000	A-5555-0065	1,5	5,0	11,0	55,0	1,0		11,9
3	FT M5 020 11 055	602030-9021-000	A-5555-0066	2,0	5,0	11,0	55,0	1,5		11,9
4	FT M5 025 11 055	-	A-5555-0067	2,5	5,0	11,0	55,0	2,0		11,9
5	FT M5 035 11 055	602030-9023-000	A-5555-0068	3,5	10,0	11,0	55,0	2,5		11,9

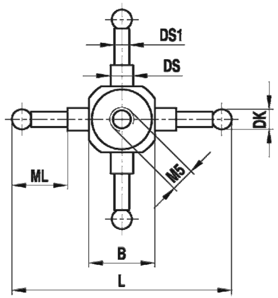
Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Cube Star

Thread M5

Material Titanium cube base, carbide stems, ruby balls



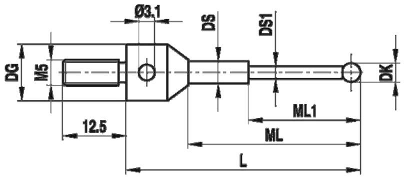
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M5 010 15 045	-	A-5555-0069	1,0	7,0		45,0	0,8 / 2,0	15,0	17,3
2	WT M5 015 15 045	602030-9025-000	A-5555-0070	1,5	7,5		45,0	1,0 / 2,0	15,0	17,3
3	WT M5 020 15 045	-	A-5555-0071	2,0	7,5		45,0	1,5 / 2,0	15,0	17,3
4	WT M5 025 15 045	602030-9027-000	A-5555-0072	2,5	8,0		45,0	1,5 / 2,0	15,0	17,3
5	WT M5 035 15 045	-	A-5555-0073	3,5	15,0		45,0	2,0	15,0	17,3

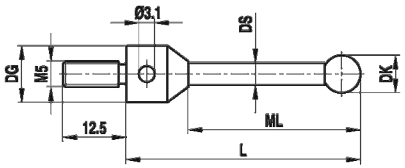
Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Long thread styli, thread length 12.5 mm

Thread M5
Material Steel base, carbide stem, ruby ball





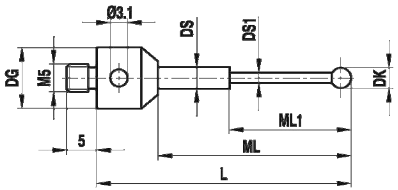
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	LH M5 003 11 021	600342-8250-000	A-5555-0084	0,3	2,3 / 12,8	11,0	21,8	0,2 / 1,0		6,0
2	LH M5 005 11 022	600342-8251-000	A-5555-0085	0,5	2,5 / 13,0	11,0	22,0	0,3 / 1,0		6,0
3	LH M5 006 11 022	600342-8252-000	A-5555-0086	0,6	4,6 / 13,1	11,0	22,1	0,4 / 1,0		6,0
4	LH M5 008 11 022	600342-8253-000	A-5555-0087	0,8	4,8 / 13,3	11,0	22,3	0,6 / 1,0		6,0
5	LH M5 010 11 022	600342-8254-000	A-5555-0088	1,0	5,0 / 13,5	11,0	22,5	0,8 / 1,0		6,0
6	LH M5 013 11 032	600342-8200-000	A-5555-0078	1,35	23,85	11,0	32,85	1,0		6,0
7	LH M5 015 11 033	600342-8201-000	A-5555-0079	1,5	24,0	11,0	33,0	1,0		7,0
8	LH M5 020 11 033	600342-8202-000	A-5555-0080	2,0	24,5	11,0	33,5	1,5		7,0
9	LH M5 025 11 034	600342-8203-000	A-5555-0081	2,5	25,0	11,0	34,0	1,5		7,0
10	LH M5 030 11 025	-	-	3,0	16,5	11,0	25,5	2,0		7,0
11	LH M5 030 19 034	600342-8221-000	A-5555-0082	3,0	16,5	19,0	34,5	2,0		20,0
12	LH M5 050 11 034	-	-	5,0	25,5	11,0	34,5	3,5		9,0
13	LH M5 050 19 043	600342-8222-000	A-5555-0083	5,0	25,5	19,0	43,5	3,5		23,0

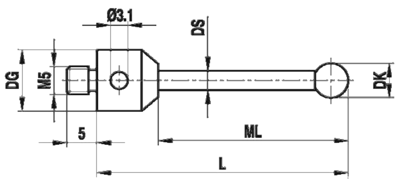
Peg mounted balls, except for ball-Ø 0,3 mm. Thread length 20 mm for body-Ø 19 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Long thread styli, thread length 5.0 mm

Thread M5
Material Steel base, carbide stem, ruby ball





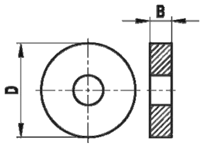
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	NH M5 003 11 021	626115-0030-022	-	0,3	2,3/12,8	11,0	21,8	0,2/1,0		6,0
2	NH M5 005 11 022	626115-0050-022	-	0,5	2,5/13,0	11,0	22,0	0,3/1,0		6,0
3	NH M5 006 11 022	626115-0060-022	-	0,6	4,6/13,1	11,0	22,1	0,4/1,0		6,0
4	NH M5 008 11 022	626115-0080-022	-	0,8	4,8/13,3	11,0	22,3	0,6/1,0		6,0
5	NH M5 010 11 022	626115-0100-022	-	1,0	5,0/13,5	11,0	22,5	0,8/1,0		6,0
6	NH M5 013 11 032	602030-8062-000	-	1,35	23,85	11,0	32,85	1,0		6,0
7	NH M5 015 11 033	602030-8064-000	-	1,5	24,0	11,0	33,0	1,0		7,0
8	NH M5 K15 11 033	-	-	1,5	7,0/24,0	11,0	33,0	1,0/1,5		7,0
9	NH M5 020 10 033	-	-	2,0	24,5	11,0	33,5	1,0		7,0
10	NH M5 020 11 033	602030-8066-000	-	2,0	24,5	11,0	33,5	1,5		7,0
11	NH M5 025 10 034	-	-	2,5	25,0	11,0	34,0	1,0		7,0
12	NH M5 025 11 034	602030-8069-000	-	2,5	25,0	11,0	34,0	1,5		7,0
13	NH M5 030 11 025	-	-	3,0	16,5	11,0	25,5	2,0		9,0
14	NH M5 050 11 034	-	-	5,0	25,5	11,0	34,5	3,5		9,0

Peg mounted balls, except for ball-Ø 0,3 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Flat washer for star styli

Thread M5
Material Stainless steel



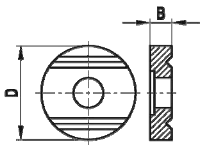
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KI M5 000 11 015	600341-0140-000	A-5555-0089			11,0			1,5	1,0
2	KI M5 000 19 020	600341-0141-000	A-5555-0090			19,0			2,0	4,0

Special designs on request.

To be used with long threaded styli only.

Grooved washer for star styli

Thread M5
Material Stainless steel



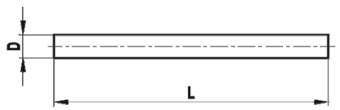
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	NI M5 000 11 020	600341-0150-000	A-5555-0091			11,0			2,0	1,0
2	NI M5 000 19 040	600341-0151-000	A-5555-0092			19,0			4,0	7,0

Special designs on request.

To be used with long threaded styli only.

Carbide pin for star styli

Thread M5
Material Carbide



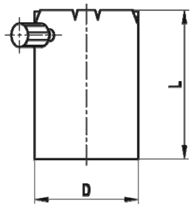
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	SH M5 000 10 010	600341-0520-000	A-5555-0093			1,0	10,0			1,0
2	SH M5 000 15 010	600341-0521-000	A-5555-0094			1,5	10,0			1,0
3	SH M5 000 20 018	600341-0522-000	A-5555-0095			2,0	18,0			1,0
4	SH M5 000 35 018	600341-0523-000	A-5555-0096			3,5	18,0			3,0

Special designs on request.

To be used with long threaded styli only.

Assembly holder for star styli

Thread M5
Material Aluminum

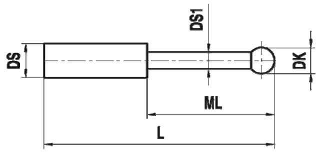


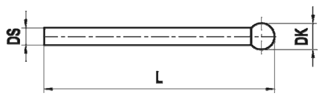
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	for DG	Weight g
1	MA M5 011 35 050	600341-8300-000	A-5555-0097			35,0	50,0		11,0	130,0
2	MA M5 019 45 085	600341-8301-000	A-5555-0098			45,0	85,0		19,0	317,0

Special designs on request.

Styli for holder

Thread M5
Material Carbide stem, ruby ball





Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KT M5 002 01 015	-	-	0,2	2,3		15,2	0,18 / 1,0		1,0
2	KT M5 0025 01 015	-	-	0,25	2,35		15,25	0,18 / 1,0		1,0
3	KT M5 003 01 015	600341-8450-000	A-5555-0108	0,3	2,3		15,3	0,2 / 1,0		1,0
4	KT M5 004 01 015	-	-	0,4	2,5		15,5	0,3 / 1,0		1,0
5	KT M5 005 01 015	600341-8451-000	A-5555-0109	0,5	2,5		15,5	0,3 / 1,0		1,0
6	KT M5 006 01 015	600341-8452-000	A-5555-0110	0,6	4,6		15,6	0,4 / 1,0		1,0
7	KT M5 007 01 015	-	-	0,7	4,6		15,7	0,4 / 1,0		1,0
8	KT M5 008 01 015	600341-8453-000	A-5555-0111	0,8	4,8		15,8	0,6 / 1,0		1,0
9	KT M5 010 01 016	600341-8454-000	A-5555-0107	1,0	5,0		16,0	0,8 / 1,0		1,0
10	KT M5 013 10 026	600341-8500-000	A-5555-0112	1,35	-		26,35	1,0		1,0
11	KT M5 015 10 026	600341-8501-000	A-5555-0113	1,5	-		26,5	1,0		1,0
12	KT M5 020 10 027	-	-	2,0	-		27,0	1,0		1,0
13	KT M5 020 15 027	600341-8502-000	A-5555-0114	2,0	-		27,0	1,5		1,0
14	KT M5 025 10 027	-	-	2,5	-		27,5	1,0		1,0
15	KT M5 025 15 027	600341-8503-000	A-5555-0115	2,5	-		27,5	1,5		1,0
16	KT M5 030 20 038	600341-8510-000	A-5555-0116	3,0	-		38,0	2,0		2,0
17	KT M5 050 35 045	600341-8511-000	A-5555-0117	5,0	-		45,0	3,5		6,0

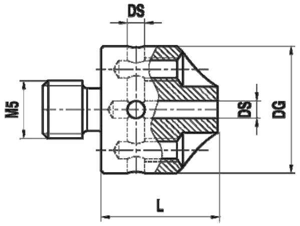
Peg mounted balls, except for ball-Ø 0,2 - 0,4 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

5-way holder

Thread M5
Material Stainless steel

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KH M5 000 11 010	600341-8367-000	A-5555-0105			11,0	10,0	1,0		3,2
2	KH M5 000 11 015	600341-8368-000	A-5555-0106			11,0	10,0	1,5		3,2
3	KH M5 000 11 020	-	-			11,0	10,0	2,0		3,2



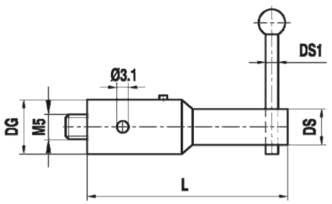
Special designs on request.

Fits with styli KT M5 002 01 015 – KT M5 030 20 038.

Holder 90° for styli

Thread M5
Material Stainless steel

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KI M5 115 11 045	600341-8160-000	A-5555-0104			11,0	45,0	1,0-1,5 / 6,0		16,0



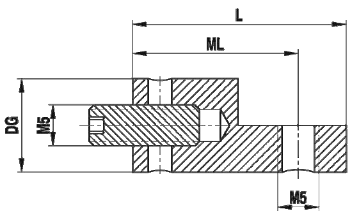
Special designs on request.

Fits with styli KT M5 002 01 015 – KT M5 025 15 027.

Holder, offset, 90°

Thread M5
Material Titanium

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KH M5 000 11 022	626105-6901-001	-		17,0	11,0	22,5			6,0



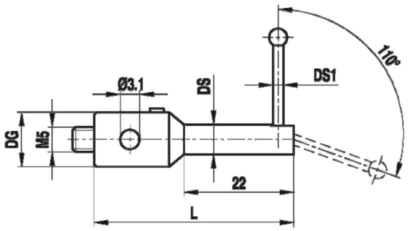
Special designs on request.

Holder for swivel styli

Thread M5
Material Stainless steel

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KI M5 022 11 040	600341-8180-000	A-5555-0118			11,0	40,0	1,0-1,5 / 6,0		15,0

Special designs on request.



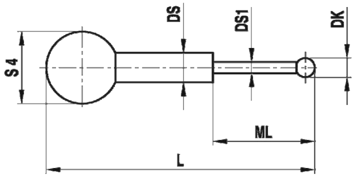
Styli for swiveling configurations

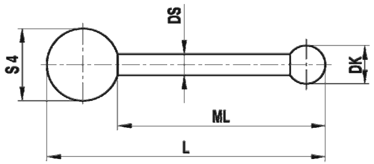
Thread M5
Material S4 steel ball, carbide stem, ruby ball

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KK M5 010 10 017	600341-8183-000	A-5555-0119	1,0	5,0		17,5	0,8 / 1,0		1,0
2	KK M5 020 15 028	600341-8185-000	A-5555-0120	2,0	24,5		28,5	1,5		1,0

Peg mounted balls. Special designs on request.

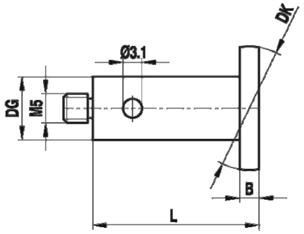
All existing ball materials are available upon request for all styli and all thread sizes.





Spherical disk styli

Thread M5
Material Aluminum base, high-strength steel disk

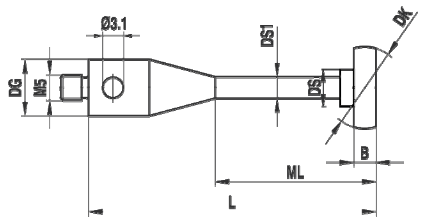


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KI M5 100 07 021	600341-8090-000	A-5555-0121	10,0		7,0	21,5		1,5	3,0
2	KI M5 150 10 021	600341-8095-000	A-5555-0122	15,0		10,0	21,5		1,5	6,0
3	KI M5 150 07 040	000000-1165-629	A-5555-0124	15,0		7,0	40,0		1,0	5,0
4	KI M5 200 07 060	602030-8091-000	A-5555-0123	20,0		7,0	60,0		1,0	8,0

Special designs on request.

Spherical disk styli ScanMax

Thread M5
Material Steel base and stem, high-strength steel disk

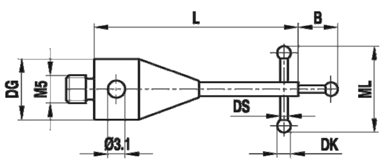


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KI M5 100 11 065	632001-8209-000	-	10,0	55,0	11,0	65,0	3,5/5,5	1,0	11,0
2	KI M5 150 11 065	632001-8211-000	-	15,0	55,0	11,0	65,0	3,5/5,5	1,0	18,0
3	KI M5 200 11 065	632001-8207-000	-	20,0	55,0	11,0	65,0	3,5/5,5	1,0	19,0
4	KI M5 250 11 065	632001-8208-000	-	25,0	55,0	11,0	65,0	3,5/10,0	1,0	22,0
5	KI M5 300 11 065	632001-8210-000	-	30,0	55,0	11,0	65,0	3,5/10,0	2,0	39,0
6	KI M5 400 11 065	632001-8213-000	-	40,0	55,0	11,0	65,0	3,5/10,0	2,0	57,0
7	KI M5 100 11 065/2	000000-1019-819	-	10,0	55,0	11,0	65,0	3,5/5,5	2,0	17,0
8	KI M5 150 11 065/2	000000-1019-820	-	15,0	55,0	11,0	65,0	3,5/5,5	2,0	20,0
9	KI M5 200 11 065/2	000000-1019-822	-	20,0	55,0	11,0	65,0	3,5/5,5	2,0	25,0
10	KI M5 250 11 065/2	000000-1019-824	-	25,0	55,0	11,0	65,0	3,5/10,0	2,0	32,0

Special designs on request.

Styli for thread measuring

Thread M5
Material Steel base, carbide stem, ruby ball



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M5 005 11 040	-	-	0,5	3,5	11,0	40,0	0,4	1,9	7,0
2	TI M5 008 11 040	-	A-5555-0077	0,8	5,0	11,0	40,0	0,6	1,9	7,0
3	TI M5 013 11 040	-	A-5555-0074	1,35	9,0	11,0	40,0	1,0	2,0	11,0
4	TI M5 018 11 040	-	A-5555-0076	1,8	10,0	11,0	40,0	1,0	2,0	12,0
5	TI M5 023 11 040	-	A-5555-0075	2,3	12,0	11,0	40,0	1,0	2,5	13,0

Peg mounted balls. Special designs on request.

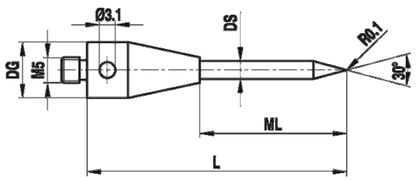
Silicon nitride and zirconium oxide balls are available upon request for all styli and all thread sizes.

Pointer styli

Thread M5
Material Titanium base, carbide stem

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	IH M5 030 11 061	600342-8051-000	A-5555-0216	30°	39,0	11,0	61,0	3,5		12,0

Special designs on request.



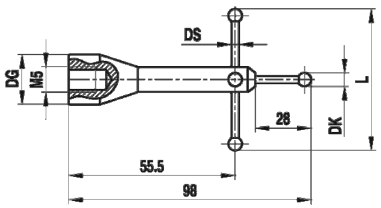
Star styli

Thread M5
Material Aluminum base, carbide stems, ruby balls

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	SA M5 050 19 080	600331-8093-000	A-5555-0215	5,0	-	19,0	80,0	3,5		70,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.



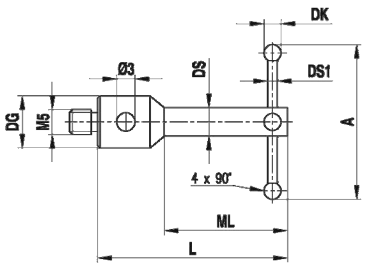
Star styli

Thread M5
Material Steel base and stems, ruby balls

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	A	Weight g
1	SI M5 006 11 040	-	-	0,6	30,0	11,0	40,0	0,4/4,0	8,0	9,0
2	SI M5 008 11 040	-	-	0,8	30,0	11,0	40,0	0,6/4,0	8,0	9,0
3	SI M5 010 11 040	-	-	1,0	30,0	11,0	40,0	0,8/4,0	8,0	9,0

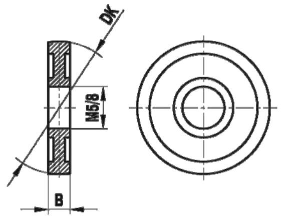
Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.



Spherical disk

Thread M5
Material High-strength steel

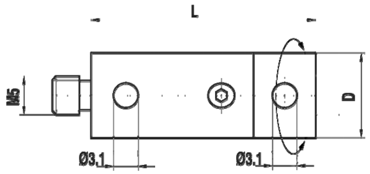


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	Thread/ Bore hole	EAL B	Weight g
1	KI M5 040 10 M50	602030-0003-000	A-5555-0195	10,0				M5	4,0	2,0
2	KI M5 040 15 M50	602030-0004-000	A-5555-0196	15,0				M5	4,0	5,0
3	KI M5 040 20 M50	602030-0005-000	A-5555-0197	20,0				M5	4,0	9,0
4	KI M5 040 30 M50	602030-0006-000	A-5555-0198	30,0				M5	4,0	21,0
5	KI M5 050 40 M50	602030-0007-000	A-5555-0199	40,0				M5	5,0	42,0
6	KI M5 050 50 M50	602030-0008-000	A-5555-0200	50,0				M5	5,0	64,0
7	KI M5 050 60 M50	602030-0009-000	A-5555-0201	60,0				M5	5,0	89,0
8	KI M5 040 15 080	602030-0010-000	A-5555-0202	15,0				8,0	4,0	4,0
9	KI M5 040 20 080	602030-0011-000	A-5555-0203	20,0				8,0	4,0	8,0
10	KI M5 020 20 080	600341-0200-000	A-5555-0204	20,0				8,0	2,0	4,0
11	KI M5 040 30 080	600341-0203-000	A-5555-0205	30,0				8,0	4,0	10,0
12	KI M5 040 40 080	600341-0204-000	A-5555-0206	40,0				8,0	4,0	21,0
13	KI M5 050 50 080	600341-0205-000	A-5555-0207	50,0				8,0	5,0	36,0
14	KI M5 060 60 080	600341-0206-000	A-5555-0208	60,0				8,0	6,0	59,0

Special designs on request.

Rotary adapter

Thread M5
Material Titanium

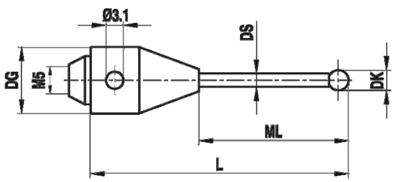


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	DT M5 000 11 029	612030-9737-000	-			11,0	29,0			13,0
2	DT M5 000 18 030	602030-9095-000	A-5555-0099			18,0	30,0			43,0

Special designs on request.

Styli with conical stem base

Thread M5
Material Titanium base, carbide stem, ruby ball



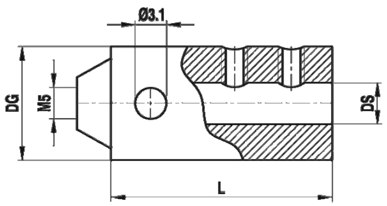
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH KO 030 19 050	-	A-5555-0001	3,0	21,5	19,0	50,0	2,0		23,0
2	TH KO 030 40 075	-	A-5555-0002	3,0	35,0	19,0	75,0	2,0		30,0
3	TH KO 030 25 075	-	A-5555-0003	3,0	50,0	19,0	75,0	2,0		22,0
4	TH KO 030 19 115	-	A-5555-0004	3,0	18,0	19,0	115,0	2,0		56,0
5	TH KO 050 40 075	-	A-5555-0005	5,0	35,0	19,0	75,0	3,5		34,0
6	TH KO 050 25 075	-	A-5555-0006	5,0	50,0	19,0	75,0	3,5		28,0
7	TH KO 050 19 100	-	A-5555-0007	5,0	60,0	19,0	100,0	3,5		38,0
8	TH KO 080 19 080	-	A-5555-0008	8,0	57,0	19,0	80,0	6,0		45,0
9	TH KO 080 19 100	-	A-5555-0009	8,0	60,0	19,0	100,0	6,0		57,0
10	TH KO 080 19 115	-	A-5555-0010	8,0	56,5	19,0	115,0	6,0		68,0
11	TH KO 080 19 140	-	A-5555-0011	8,0	100,0	19,0	140,0	6,0		74,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Conical holder

Thread M5
Material Stainless steel



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KH KO 020 19 024	-	A-5555-0015			19,0	24,0	2,0		29,0
2	KH KO 035 19 024	-	A-5555-0016			19,0	24,0	3,5		29,0
3	KH KO 060 19 024	-	A-5555-0017			19,0	24,0	6,0		29,0

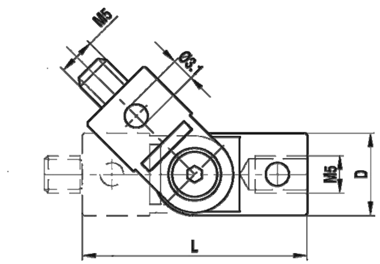
Special designs on request.

Knuckle, swing range 180°

Thread M5
Material Titanium

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	GT M5 000 11 030	600342-9002-000	A-5555-0218			11,0	30,0			11,2
2	GT M5 000 18 036	600342-9003-000	A-5555-0219			18,0	36,0			37,2

Special designs on request.

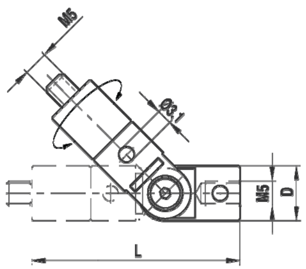


Rotary knuckle, slewing range 360°, swing range 180°

Thread M5
Material Titanium

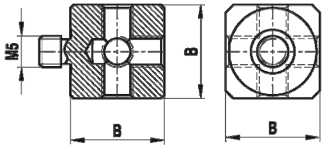
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	DG M5 000 11 051	-	-			11,0	51,0			19,0
2	DG M5 000 18 058	-	-			18,0	58,0			58,0

Special designs on request.



Cube

Thread M5
Material Titanium

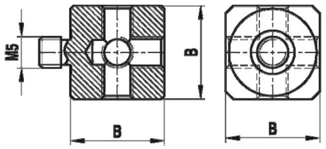


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M5 000 15 000	600341-8361-000	A-5555-0189						15,0	12,6
2	WT M5 000 15 000 OZ	626115-6110-001	-						15,0	12,6
3	WT M5 000 20 000	600341-8002-000	A-5555-0190						20,0	31,5
4	WT M5 000 20 000 OZ	626115-6110-003	-						20,0	31,5
5	WT M5 000 25 000	-	A-5555-0193						25,0	40,0

Special designs on request. OZ = setscrew enclosed.

Cube

Thread M5
Material Aluminum

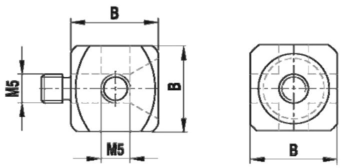


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WA M5 000 15 000	602030-8363-000	A-5555-0191						15,0	7,5
2	WA M5 000 20 000	602030-8362-000	A-5555-0192						20,0	20,0

Special designs on request. OZ = setscrew enclosed.

Cube with countersunk screw

Thread M5
Material Titanium

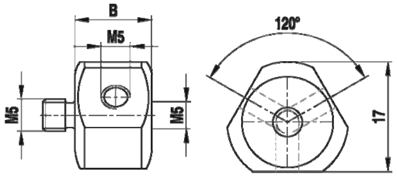


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M5 S00 15 000	626115-6110-002	-						15,0	13,0

Special designs on request.

4-way cube

Thread M5
Material Titanium

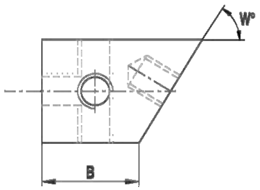


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M5 120 15 000	-	-						15,0	13,0

Special designs on request.

Cube with angle

Thread M5
Material Titanium



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	W Grad	EAL B	Weight g
1	WT M5 875 15 000	-	-					87,5	15,0	13,0
2	WT M5 850 15 000	-	-					85,0	15,0	13,4
3	WT M5 825 15 000	-	-					82,5	15,0	13,8
4	WT M5 800 15 000	-	-					80,0	15,0	14,2
5	WT M5 775 15 000	-	-					77,5	15,0	14,6
6	WT M5 750 15 000	-	-					75,0	15,0	15,0
7	WT M5 725 15 000	-	-					72,5	15,0	15,4
8	WT M5 700 15 000	-	-					70,0	15,0	15,8
9	WT M5 675 15 000	-	-					67,5	15,0	16,2
10	WT M5 650 15 000	-	-					65,0	15,0	16,6
11	WT M5 625 15 000	-	-					62,5	15,0	17,0
12	WT M5 600 15 000	-	-					60,0	15,0	17,4
13	WT M5 575 15 000	-	-					57,5	15,0	17,8
14	WT M5 550 15 000	-	-					55,0	15,0	18,2
15	WT M5 525 15 000	-	-					52,5	15,0	18,6
16	WT M5 500 15 000	-	-					50,0	15,0	19,0
17	WT M5 475 15 000	-	-					47,5	15,0	19,4
18	WT M5 450 15 000	-	-					45,0	15,0	19,8

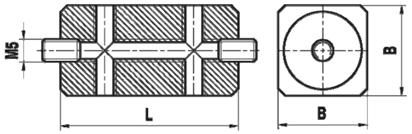
Special designs on request.

Setscrew enclosed.

Double cube	Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS DS1	EAL B	Weight g
Thread M5	1	WT M5 000 20 040	-	A-5555-0194				40,0		20,0	64,0

Material Titanium

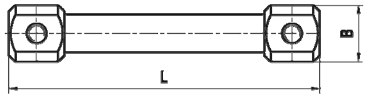
Special designs on request.



Cube extension	Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS DS1	EAL B	Weight g
Thread M5	1	WT M5 000 20 120	-	A-5555-0217				120,0		20,0	87,0

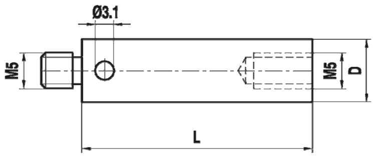
Material Titanium

Special designs on request.



Extension

Thread M5
Material Titanium



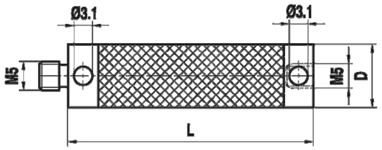
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VT M5 000 11 010	602030-9044-000	A-5555-0143			11,0	10,0			3,9
2	VT M5 000 11 015	602030-9045-000	A-5555-0144			11,0	15,0			5,7
3	VT M5 000 11 020	602030-9046-000	A-5555-0145			11,0	20,0			7,5
4	VT M5 000 11 025	602030-9047-000	A-5555-0146			11,0	25,0			9,5
5	VT M5 000 11 030	000000-1251-674	-			11,0	30,0			9,8
6	VT M5 000 11 035	-	-			11,0	35,0			10,0
7	VT M5 000 11 040	602030-9049-000	A-5555-0148			11,0	40,0			12,6
8	VT M5 000 11 050	602030-9051-000	A-5555-0150			11,0	50,0			13,2
9	VT M5 000 11 060	602030-9053-000	A-5555-0152			11,0	60,0			14,2
10	VT M5 000 11 075	602030-9055-000	A-5555-0154			11,0	75,0			15,3
11	VT M5 000 11 080	602030-9057-000	A-5555-0156			11,0	80,0			15,6
12	VT M5 000 11 090	602030-9059-000	A-5555-0158			11,0	90,0			16,5
13	VT M5 000 11 100	602030-9061-000	A-5555-0160			11,0	100,0			17,2
14	VT M5 000 11 120	602030-9063-000	A-5555-0162			11,0	120,0			19,8
15	VT M5 000 11 150	602030-9065-000	A-5555-0164			11,0	150,0			22,5
16	VT M5 000 18 025	602030-9048-000	A-5555-0147			18,0	25,0			24,6
17	VT M5 000 18 040	602030-9050-000	A-5555-0149			18,0	40,0			31,5
18	VT M5 000 18 050	602030-9052-000	A-5555-0151			18,0	50,0			33,3
19	VT M5 000 18 060	602030-9054-000	A-5555-0153			18,0	60,0			35,1
20	VT M5 000 18 075	602030-9056-000	A-5555-0155			18,0	75,0			37,9
21	VT M5 000 18 080	602030-9058-000	A-5555-0157			18,0	80,0			38,8
22	VT M5 000 18 090	602030-9060-000	A-5555-0159			18,0	90,0			40,6
23	VT M5 000 18 100	602030-9062-000	A-5555-0161			18,0	100,0			42,5
24	VT M5 000 18 120	602030-9064-000	A-5555-0163			18,0	120,0			46,1
25	VT M5 000 18 150	602030-9066-000	A-5555-0165			18,0	150,0			51,6
26	VT M5 000 18 200	602030-9067-000	A-5555-0166			18,0	200,0			61,0
27	VT M5 000 18 250	602030-9068-000	A-5555-0167			18,0	250,0			70,0
28	VT M5 000 18 300	602030-9069-000	A-5555-0168			18,0	300,0			79,0

Special designs on request.

Extension

Thread M5

Material Black carbon fibre, thermostable, titanium ends



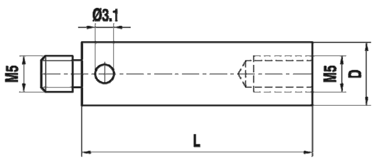
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VC M5 TZ0 11 040	626107-1040-100	-			11,0	40,0			9,0
2	VC M5 TZ0 11 050	626107-1050-100	-			11,0	50,0			10,0
3	VC M5 TZ0 11 060	626107-1060-100	-			11,0	60,0			11,0
4	VC M5 TZ0 11 070	626107-1070-100	-			11,0	70,0			11,0
5	VC M5 TZ0 11 080	626107-1080-100	-			11,0	80,0			12,0
6	VC M5 TZ0 11 090	626107-1090-100	-			11,0	90,0			13,0
7	VC M5 TZ0 11 100	626107-1100-100	-			11,0	100,0			14,0
8	VC M5 TZ0 11 120	626107-1120-100	-			11,0	120,0			15,0
9	VC M5 TZ0 11 150	626107-1150-100	-			11,0	150,0			17,0
10	VC M5 TZ0 11 180	626107-1180-100	-			11,0	180,0			19,0
11	VC M5 TZ0 11 200	626107-1200-100	-			11,0	200,0			21,0
12	VC M5 TZ0 11 250	626107-1250-100	-			11,0	250,0			24,0
13	VC M5 TZ0 11 300	626107-1300-100	-			11,0	300,0			27,0
14	VC M5 TZ0 11 400	626107-1400-100	-			11,0	400,0			34,0
15	VC M5 TZ0 20 040	626107-2040-100	-			20,0	40,0			26,0
16	VC M5 TZ0 20 050	626107-2050-100	-			20,0	50,0			28,0
17	VC M5 TZ0 20 060	626107-2060-100	-			20,0	60,0			29,0
18	VC M5 TZ0 20 080	626107-2080-100	-			20,0	80,0			32,0
19	VC M5 TZ0 20 100	626107-2100-100	-			20,0	100,0			34,0
20	VC M5 TZ0 20 120	626107-2120-100	-			20,0	120,0			37,0
21	VC M5 TZ0 20 150	626107-2150-100	-			20,0	150,0			41,0
22	VC M5 TZ0 20 180	626107-2180-100	-			20,0	180,0			45,0
23	VC M5 TZ0 20 200	626107-2200-100	-			20,0	200,0			48,0
24	VC M5 TZ0 20 250	626107-2250-100	-			20,0	250,0			55,0
25	VC M5 TZ0 20 300	626107-2300-100	-			20,0	300,0			62,0
26	VC M5 TZ0 20 400	626107-2400-100	-			20,0	400,0			75,0
27	VC M5 TZ0 20 500	626107-2500-100	-			20,0	500,0			89,0
28	VC M5 TZ0 20 600	626107-2600-100	-			20,0	600,0			103,0

Special designs on request.

Thermostable carbon fibre made of high tech fibres used in aerospace technology. E-module of approximately 450 GPa.

Extension

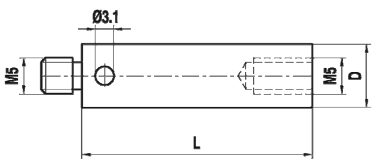
Thread M5
Material Aluminum, steel ends



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VA M5 000 11 020	-	-			11,0	20,0			5,7
2	VA M5 000 11 040	600341-8261-000	A-5555-0135			11,0	40,0			10,3
3	VA M5 000 11 060	600341-8262-000	A-5555-0134			11,0	60,0			15,4
4	VA M5 000 11 080	600341-8263-000	A-5555-0133			11,0	80,0			20,6
5	VA M5 000 11 100	600341-8264-000	A-5555-0132			11,0	100,0			25,6
6	VA M5 000 11 120	600341-8265-000	A-5555-0131			11,0	120,0			30,9
7	VA M5 000 20 040	600341-8425-000	A-5555-0130			20,0	40,0			29,0
8	VA M5 000 20 050	-	A-5555-0671			20,0	50,0			33,3
9	VA M5 000 20 060	600341-8424-000	A-5555-0129			20,0	60,0			37,7
10	VA M5 000 20 080	600341-8423-000	A-5555-0128			20,0	80,0			44,8
11	VA M5 000 20 100	600341-8422-000	A-5555-0127			20,0	100,0			50,7
12	VA M5 000 20 150	600341-8421-000	A-5555-0126			20,0	150,0			67,4
13	VA M5 000 20 200	600341-8420-000	A-5555-0125			20,0	200,0			84,7

Extension

Thread M5
Material Stainless steel

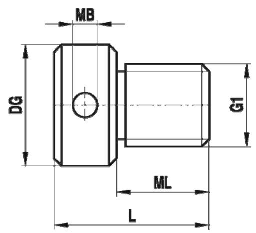


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VI M5 000 11 010	600341-0250-000	A-5555-0142			11,0	10,0			6,0
2	VI M5 000 11 015	600341-0251-000	A-5555-0141			11,0	15,0			9,0
3	VI M5 000 11 020	600341-0252-000	A-5555-0140			11,0	20,0			13,0
4	VI M5 000 11 040	600341-0254-000	A-5555-0139			11,0	40,0			28,0
5	VI M5 000 11 060	600341-0256-000	A-5555-0138			11,0	60,0			42,0
6	VI M5 000 11 080	600341-0258-000	A-5555-0137			11,0	80,0			58,0
7	VI M5 000 11 100	600341-0260-000	A-5555-0136			11,0	100,0			73,0

Special designs on request.

Hole location gage

Thread M5
Material Stainless steel

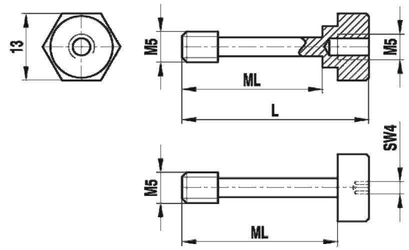


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	MB	G1	Weight g
1	GW M4 000 10 016	-	A-5555-0209		10,0	10,0	16,0	1,8	M4	4,0
2	GW M5 000 10 016	-	A-5555-0210		10,0	10,0	16,0	1,8	M5	4,0
3	GW M6 000 12 018	-	A-5555-0211		12,0	12,0	18,0	1,8	M6	7,0
4	GW M8 000 15 020	-	A-5555-0212		12,0	15,0	20,0	3,0	M8	13,0
5	GW M1 000 18 025	-	A-5555-0213		15,0	18,0	25,0	3,0	M10	25,0
6	GW M1 200 20 025	-	A-5555-0214		15,0	20,0	25,0	3,0	M12	33,0

Special designs on request.

Screw for cube and spherical disk

Thread M5
Material Stainless steel

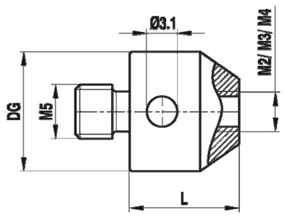


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	SI M5 000 10 017	600341-0212-000	A-5555-0223		10,0		17,5			7,0
2	SI M5 000 21 030	600341-0211-000	A-5555-0222		21,0		30,0			9,0
3	SI M5 000 26 035	600341-0210-000	A-5555-0221		26,0		35,0			9,0
4	SI M5 000 21 000	-	A-5555-0225		21,0					3,0
5	SI M5 000 26 000	-	A-5555-0224		26,0					4,0

Special designs on request.

Adapter

Thread M5
Material Stainless steel



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	from to	Weight g
1	RT M5 200 11 010	602030-0215-000	A-5555-0226			11,0	10,0		M5 / M2	5,2
2	RT M5 300 11 010	602030-0315-000	A-5555-0227			11,0	10,0		M5 / M3	5,2
3	RT M5 400 11 010	-	A-5555-0228			11,0	10,0		M5 / M4	5,2

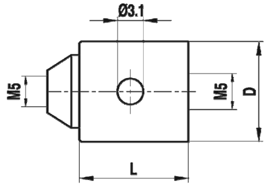
Special designs on request.

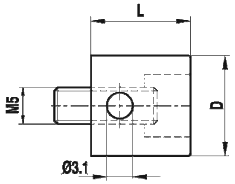
Adapter with thread/conical stem base

Thread M5
Material Titanium

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	AT KO 000 18 010	600331-0001-000	A-5555-0013			18,0	10,0			12,0
2	AT M5 000 18 010	602030-0018-000	A-5555-0014			18,0	12,0			10,0

Special designs on request.



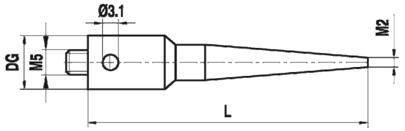


Holder for digitalization styli

Thread M5
Material Stainless steel

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	Thread	Weight g
1	DA M5 M2 15 119	-	A-5555-0231			15,81	119,0		M2	126,0
2	DA M5 M2 09 127	-	A-5555-0232			9,52	127,0		M2	87,0

Special designs on request.

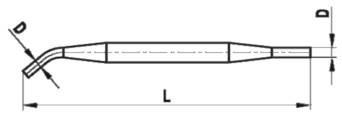


Pin-type wrench

Thread M5
Material Stainless steel

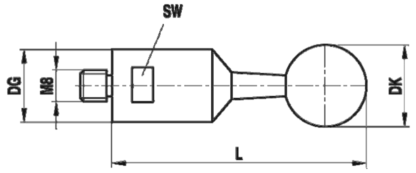
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	MI MO 029 00 070	000000-0015-323	A-5555-0240			2,9	70,0			
2	SS M5 002 08 596	600341-8596-000	A-5555-0238			2,9	70,0			

Special designs on request. SS = Set of 2 keys MI MO 029 00 070.



Reference sphere with stem

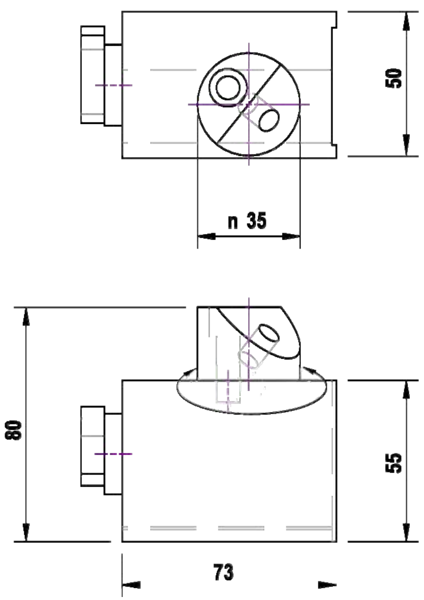
Thread M8
Material Stainless steel, ceramic ball, including certificate



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	SW	Weight g
1	KN M8 150 24 130	-	-	15,0		24,0	130,0		22,0	
2	KN M8 200 24 135	-	-	20,0		24,0	135,0		22,0	
3	KN M8 250 24 140	-	-	25,0		24,0	140,0		22,0	
4	KN M8 300 24 145	-	-	30,0		24,0	145,0		22,0	

Magnet base for reference sphere

Thread M8
Material For calibration below 45°



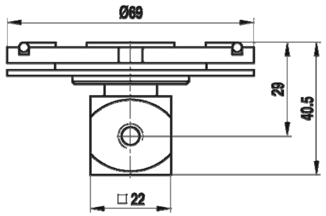
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	No of Pieces	Weight g
1	MAGNETFUSS KNM8	-	-							

Adapter plate for measuring systems MT/Vast

Thread M5
Material Aluminum, with active ID chip

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	No of Pieces	Weight g
1	TP M5 MES SO 001	600667-9601-000	A-5555-0255						1	153,0
2	TP M5 MES SO 002	600667-9611-000	A-5555-0256						2	306,0
3	TP M5 MES SO 001 OW*	-	-						1	130,0

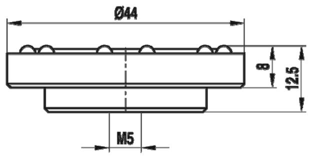
*Adapter plate instead of cube.



Adapter plate for dynamic systems (ST)

Thread M5
Material Aluminum

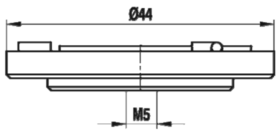
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	No of Pieces	Weight g
1	AT M5 SCH AL 001	-	A-5555-0322						1	72,0
2	AT M5 SCH AL 002	600660-8251-000	A-5555-0251						2	144,0



Adapter plate for Prismo dynamic systems (ST)

Thread M5
Material Aluminum

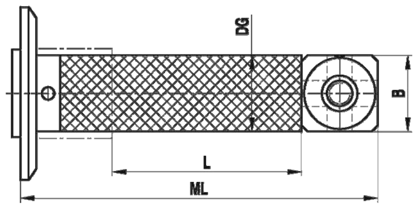
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	No of Pieces	Weight g
1	TP M5 SCH AL 001	-	-						1	72,0
2	TP M5 SCH AL 002	620660-8251-000	A-5555-0253						2	144,0

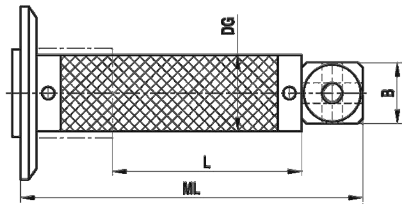


Adapter plate extension for MT/Vast

Thread M5

Material Black carbon fibre, thermostable, titanium cube and plate adapter





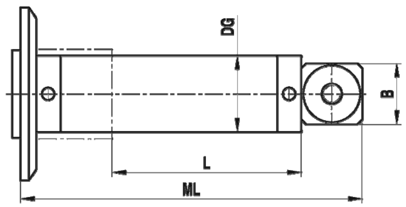
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TV M5 TZ1 15 025	-	-		66,5	11,0	25,0		15,0	60,0
2	TV M5 TZ1 15 040	-	-		81,5	11,0	40,0		15,0	62,0
3	TV M5 TZ1 15 050	-	-		91,5	11,0	50,0		15,0	64,0
4	TV M5 TZ1 15 060	-	-		101,5	11,0	60,0		15,0	66,0
5	TV M5 TZ1 15 080	-	-		121,5	11,0	80,0		15,0	68,0
6	TV M5 TZ1 15 100	-	-		141,5	11,0	100,0		15,0	70,0
7	TV M5 TZ1 15 120	-	-		161,5	11,0	120,0		15,0	72,0
8	TV M5 TZ1 15 150	-	-		191,5	11,0	150,0		15,0	77,0
9	TV M5 TZ1 15 200	-	-		241,5	11,0	200,0		15,0	84,0
10	TV M5 TZ2 15 025	626107-2025-130	-		66,5	20,0	25,0		15,0	60,0
11	TV M5 TZ2 15 040	626107-2040-130	-		81,5	20,0	40,0		15,0	62,0
12	TV M5 TZ2 15 050	626107-2050-130	-		91,5	20,0	50,0		15,0	64,0
13	TV M5 TZ2 15 060	626107-2060-130	-		101,5	20,0	60,0		15,0	66,0
14	TV M5 TZ2 15 080	626107-2080-130	-		121,5	20,0	80,0		15,0	68,0
15	TV M5 TZ2 15 100	626107-2100-130	-		141,5	20,0	100,0		15,0	70,0
16	TV M5 TZ2 15 120	626107-2120-130	-		161,5	20,0	120,0		15,0	72,0
17	TV M5 TZ2 15 150	626107-2150-130	-		191,5	20,0	150,0		15,0	77,0
18	TV M5 TZ2 15 200	626107-2200-130	-		241,5	20,0	200,0		15,0	84,0
19	TV M5 TZ2 20 025	626107-2025-110	-		71,5	20,0	25,0		20,0	74,0
20	TV M5 TZ2 20 040	626107-2040-110	-		86,5	20,0	40,0		20,0	76,0
21	TV M5 TZ2 20 050	626107-2050-110	-		96,5	20,0	50,0		20,0	78,0
22	TV M5 TZ2 20 060	626107-2060-110	-		106,5	20,0	60,0		20,0	80,0
23	TV M5 TZ2 20 080	626107-2080-110	-		126,5	20,0	80,0		20,0	82,0
24	TV M5 TZ2 20 100	626107-2100-110	-		146,5	20,0	100,0		20,0	84,0
25	TV M5 TZ2 20 120	626107-2120-110	-		166,5	20,0	120,0		20,0	86,0
26	TV M5 TZ2 20 150	626107-2150-110	-		196,5	20,0	150,0		20,0	91,0
27	TV M5 TZ2 20 200	626107-2200-110	-		246,5	20,0	200,0		20,0	98,0

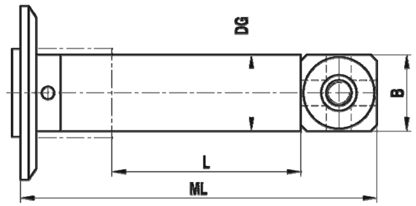
Special designs on request.

Adapter plate extension for MT/Vast

Thread M5

Material Titanium, titanium cube and plate adapter





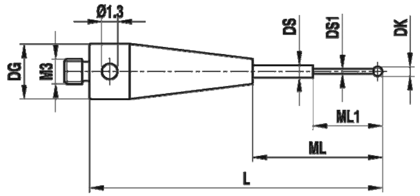
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TV M5 011 15 025	-	-		66,5	11,0	25,0		15,0	65,0
2	TV M5 011 15 040	-	-		81,5	11,0	40,0		15,0	67,0
3	TV M5 011 15 050	-	-		91,5	11,0	50,0		15,0	70,0
4	TV M5 011 15 060	-	-		101,5	11,0	60,0		15,0	72,0
5	TV M5 011 15 080	-	-		121,5	11,0	80,0		15,0	74,0
6	TV M5 011 15 100	-	-		141,5	11,0	100,0		15,0	76,0
7	TV M5 011 15 120	-	-		161,5	11,0	120,0		15,0	78,0
8	TV M5 011 15 150	-	-		191,5	11,0	150,0		15,0	85,0
9	TV M5 018 15 025	-	-		66,5	18,0	25,0		15,0	65,0
10	TV M5 018 15 040	-	-		81,5	18,0	40,0		15,0	67,0
11	TV M5 018 15 050	-	-		91,5	18,0	50,0		15,0	70,0
12	TV M5 018 15 060	-	-		101,5	18,0	60,0		15,0	72,0
13	TV M5 018 15 080	-	-		121,5	18,0	80,0		15,0	74,0
14	TV M5 018 15 100	-	-		141,5	18,0	100,0		15,0	76,0
15	TV M5 018 15 120	-	-		161,5	18,0	120,0		15,0	78,0
16	TV M5 018 15 150	-	-		191,5	18,0	150,0		15,0	85,0
17	TV M5 018 15 200	-	-		241,5	18,0	200,0		15,0	92,0
18	TV M5 018 20 025	-	-		71,5	18,0	25,0		20,0	84,0
19	TV M5 018 20 040	-	-		86,5	18,0	40,0		20,0	84,0
20	TV M5 018 20 050	-	-		96,5	18,0	50,0		20,0	87,0
21	TV M5 018 20 060	-	-		106,5	18,0	60,0		20,0	90,0
22	TV M5 018 20 080	-	-		126,5	18,0	80,0		20,0	92,0
23	TV M5 018 20 100	-	-		146,5	18,0	100,0		20,0	95,0
24	TV M5 018 20 120	-	-		166,5	18,0	120,0		20,0	98,0
25	TV M5 018 20 150	-	-		196,5	18,0	150,0		20,0	105,0
26	TV M5 018 20 200	-	-		246,5	18,0	200,0		20,0	114,0

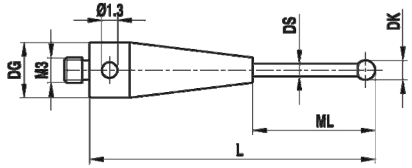
Special designs on request.

Analog Zeiss

Carbide styli XXT

Thread M3
Material Titanium base, carbide stem, ruby ball





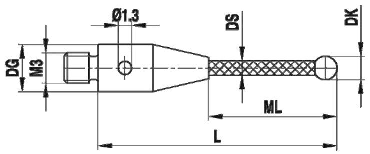
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M3 003 05 013	626113-0030-013	-	0,3	2,3/4,0	5,0	13,0	0,2/1,0		0,62
2	TH M3 003 05 020	626113-0030-020	-	0,3	2,3/11,0	5,0	20,0	0,2/1,0		0,69
3	TH M3 005 05 013	626113-0050-013	-	0,5	2,3/4,0	5,0	13,0	0,3/1,0		0,61
4	TH M3 005 05 020	626113-0050-020	-	0,5	2,3/11,0	5,0	20,0	0,3/1,0		0,69
5	TH M3 006 05 014	626113-0060-014	-	0,6	4,6/5,0	5,0	22,0	0,4/1,0		0,61
6	TH M3 006 05 020	626113-0060-020	-	0,6	4,6/11,0	5,0	20,0	0,4/1,0		0,68
7	TH M3 008 05 014	626113-0080-014	-	0,8	5,0	5,0	14,0	0,6		0,62
8	TH M3 008 05 020	626113-0080-020	-	0,8	4,8/11,0	5,0	20,0	0,6/1,0		0,69
9	TH M3 008 05 034	626113-0080-034	-	0,8	4,1/25,0	5,0	34,0	0,6/1,0		0,80
10	TH M3 010 05 014	626113-0100-014	-	1,0	5,0	5,0	14,0	0,8		0,63
11	TH M3 010 05 020	626113-0101-020	-	1,0	5,1/11,0	5,0	20,0	0,6/1,0		0,70
12	TH M3 010 05 020/0,8	626113-0100-020	-	1,0	5,0/11,0	5,0	20,0	0,8/1,0		0,69
13	TH M3 010 05 030	626113-0100-030	-	1,0	5,0/21,0	5,0	30,0	0,8/1,0		0,80
14	TH M3 010 05 040	626113-0100-040	-	1,0	5,0/31,0	5,0	40,0	0,8/1,0		1,5
15	TH M3 015 05 014	626113-0150-014	-	1,5	5,0	5,0	14,0	1,0		0,65
16	TH M3 015 05 020	626113-0150-020	-	1,5	11,0	5,0	20,0	1,0		0,72
17	TH M3 015 05 030/9,0	626113-0151-030	-	1,5	21,0	5,0	30,0	1,0		0,84
18	TH M3 015 05 030	626113-0150-030	-	1,5	22,5	5,0	30,0	1,0		0,90
19	TH M3 015 05 040	626113-0151-040	-	1,5	31,0	5,0	40,0	1,0		1,60
20	TH M3 020 05 014	626113-0200-014	-	2,0	5,0	5,0	14,0	1,0		0,66
21	TH M3 020 05 020	626113-0200-020	-	2,0	11,0	5,0	20,0	1,0		0,72
22	TH M3 020 05 030	626113-0200-030	-	2,0	21,0	5,0	30,0	1,0		0,83
23	TH M3 020 05 040	626113-0201-040	-	2,0	31,0	5,0	40,0	1,5		1,70
24	TH M3 025 05 020	626113-0250-020	-	2,5	11,0	5,0	20,0	1,5		1,0
25	TH M3 025 05 030	626113-0250-030	-	2,5	21,0	5,0	30,0	1,5		1,5
26	TH M3 025 05 040	626113-0250-040	-	2,5	31,0	5,0	40,0	1,5		2,0

Peg mounted balls, except for ball-Ø 0,3 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Reference styli XXT (red dot)

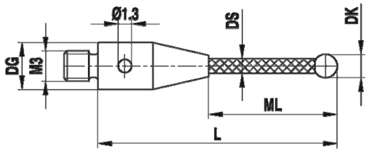
Thread M3
Material Titanium base, carbon fibre stem, thermostable, ruby ball



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M3 R50 05 030	626103-0501-030	-	5,0	21,0	5,0	30,0	3,5		1,1
2	TC M3 R50 05 050	626103-0501-050	-	5,0	41,0	5,0	50,0	3,5		1,4

Carbon fibre styli XXT, thermostable

Thread M3
Material Titanium base, carbon fibre stem, thermostable, ruby ball



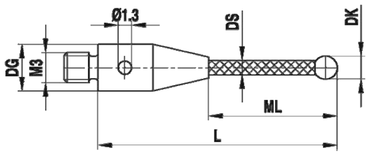
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M3 030 05 025	626103-0300-025	-	3,0	16,00	5,0	25,0	2,0		0,65
2	TC M3 030 05 033	626103-0300-033	-	3,0	24,0	5,0	33,0	2,0		0,70
3	TC M3 030 05 042	626103-0300-042	-	3,0	33,0	5,0	42,0	2,0		0,80
4	TC M3 030 05 050	626103-0300-050	-	3,0	41,0	5,0	50,0	2,0		0,80
5	TC M3 030 05 059	626103-0300-059	-	3,0	50,0	5,0	59,0	2,0		1,0
6	TC M3 030 05 075	626103-0300-075	-	3,0	66,0	5,0	75,0	2,0		1,0
7	TC M3 040 05 050	626103-0401-050	-	4,0	41,0	5,0	50,0	2,0		1,0
8	TC M3 050 05 030/9	626103-0500-030	-	5,0	21,0	5,0	30,0	3,5		1,1
9	TC M3 050 05 040	626103-0500-040	-	5,0	31,0	5,0	40,0	3,5		1,2
10	TC M3 050 05 050	626103-0500-050	-	5,0	41,0	5,0	50,0	3,5		1,4
11	TC M3 050 05 060	626103-0500-060	-	5,0	51,0	5,0	60,0	3,5		1,5
12	TC M3 050 05 075	626103-0501-075	-	5,0	66,0	5,0	75,0	3,5		1,8
13	TC M3 060 05 050	626103-0600-050	-	6,0	40,0	5,0	50,0	3,5		1,5
14	TC M3 060 05 070	626103-0610-070	-	6,0	61,0	5,0	70,0	3,5		1,8
15	TC M3 060 05 100	626103-0600-100	-	6,0	91,0	5,0	100,0	3,5		2,4
16	TC M3 080 05 030	626103-0800-030	-	8,0	30,0	5,0	30,0	5,0		1,86
17	TC M3 080 05 050	626103-0830-050	-	8,0	50,0	5,0	50,0	5,0		2,1
18	TC M3 080 05 070	626103-0830-070	-	8,0	70,0	5,0	70,0	5,0		2,6
19	TC M3 080 05 100	626103-0830-100	-	8,0	100,00	5,0	100,0	5,0		2,7
20	TC M3 080 05 125	626103-0800-125	-	8,0	125,0	5,0	125,0	5,0		2,9

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli XXT, thermostable with silicon nitride ball

Thread M3
Material Titanium base, carbon fibre stem, thermostable , silicon nitride ball, glued



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M3 S30 05 033/K	626103-0301-033	-	3,0	24,0	5,0	33,0	2,0		0,7
2	TC M3 S30 05 050/K	626103-0301-050	-	3,0	41,0	5,0	50,0	2,0		0,8
3	TC M3 S50 05 050/K	626103-0502-050	-	5,0	41,0	5,0	50,0	3,5		1,4
4	TC M3 050 05 075/K	626103-0500-075	-	5,0	66,0	5,0	75,0	3,5		1,8
5	TC M3 S80 05 070/K	626103-0801-070	-	8,0	70,0	5,0	70,0	5,0		2,6
6	TC M3 S80 05 125/K	626103-0801-125	-	8,0	125,0	5,0	125,0	5,0		2,9

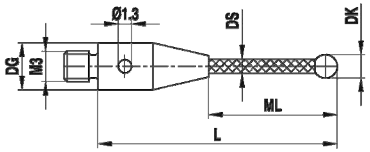
Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli XXT, thermostable with silicon nitride ball

Thread M3

Material Titanium base, carbon fibre stem, thermostable, silicon nitride ball, peg mounted for higher stiffness



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M3 S30 05 033	-	-	3,0	24,0	5,0	33,0	2,0		0,7
2	TC M3 S30 05 050	-	-	3,0	41,0	5,0	50,0	2,0		0,8
3	TC M3 S50 05 050	-	-	5,0	41,0	5,0	50,0	3,5		1,4
4	TC M3 S50 05 075	-	-	5,0	66,0	5,0	75,0	3,5		1,8
5	TC M3 S80 05 070	-	-	8,0	70,0	5,0	70,0	5,0		2,6
6	TC M3 S80 05 125	-	-	8,0	125,0	5,0	125,0	5,0		2,9

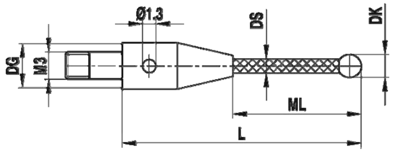
Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre clamping styli XXT, thermostable

Thread M3

Material Titanium base, carbon fibre stem, thermostable, ruby ball



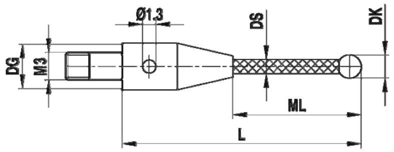
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M3 030 05 020	626103-0301-020	-	3,0	11,0	5,0	20,0	2,0		0,7
2	TC M3 030 05 030	626103-0301-030	-	3,0	21,0	5,0	30,0	2,0		0,75
3	TC M3 030 05 040	626103-0301-040	-	3,0	31,0	5,0	40,0	2,0		0,8

Peg mounted balls. Special designs on request.

Carbon fibre clamping styli XXT, thermostable with silicon nitride ball

Thread M3

Material Titanium base, carbon fibre stem, thermostable, silicon nitride ball, glued



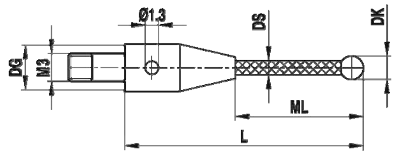
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M3 S30 05 020/K	626103-0311-020	-	3,0	11,0	5,0	20,0	2,0		0,7
2	TC M3 S30 05 030/K	626103-0311-030	-	3,0	21,0	5,0	30,0	2,0		0,75
3	TC M3 S30 05 040/K	626103-0311-040	-	3,0	31,0	5,0	40,0	2,0		0,8

Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre clamping styli XXT, thermostable with silicon nitride ball

Thread M3
Material Titanium base, carbon fibre stem, thermostable, silicon nitride ball, peg mounted for higher stiffness



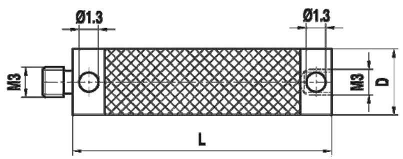
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M3 S30 05 020	-	-	3,0	11,0	5,0	20,0	2,0		0,7
2	TC M3 S30 05 030	-	-	3,0	21,0	5,0	30,0	2,0		0,75
3	TC M3 S30 05 040	-	-	3,0	31,0	5,0	40,0	2,0		0,8

Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Extension XXT

Thread M3
Material Black carbon fibre, thermostable



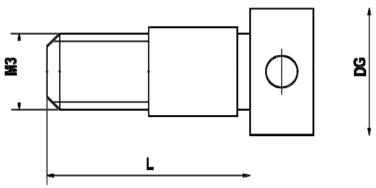
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VC M3 000 05 030	626103-5030-000	-			5,0	30,0			1,3
2	VC M3 000 05 040	626103-5040-000	-			5,0	40,0			1,4
3	VC M3 000 05 050	626103-5050-000	-			5,0	50,0			1,5
4	VC M3 000 05 060	626103-5060-000	-			5,0	60,0			1,7
5	VC M3 000 05 080	626103-5080-000	-			5,0	80,0			1,8
6	VC M3 000 05 100	626103-5100-000	-			5,0	100,0			2,0
7	VC M3 000 05 130	626103-5130-000	-			5,0	130,0			2,5
8	VC M3 000 05 150	626103-5150-000	-			5,0	150,0			2,7

Special designs on request.

Thermostable carbon fibre made of high tech fibres used in aerospace technology. E-module of approximately 450 GPa.

Clamping screw XXT

Thread M3
Material Titanium



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	SI M3 000 05 008	626103-6110-004	-	-	-	5,0	8,0			0,5

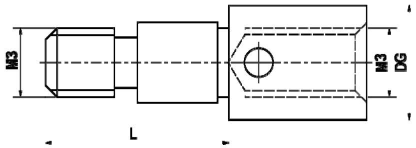
Special designs on request.

Clamping screw XXT, with internal thread M3

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	SI M3 M30 05 008	626103-6110-005	-	-	-	5,0	8,0			0,7

Thread M3
Material Titanium

Special designs on request.

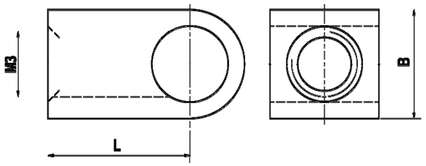


1-way cube XXT, 90°

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M3 000 05 006	626103-6110-001	-				6,5		5,0	0,64

Thread M3
Material Titanium

Special designs on request.

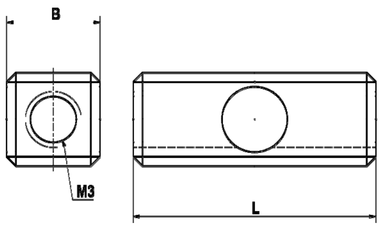


2-way cube XXT, 180°

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M3 180 05 013	626103-6110-002	-				13,0		5,0	1,05

Thread M3
Material Titanium

Special designs on request.

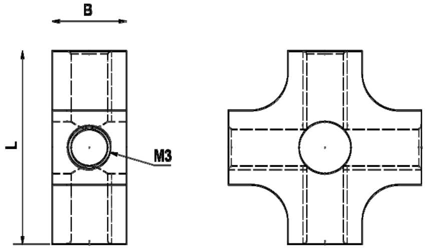


Cube XXT, star

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M3 000 05 013	626103-6110-003	-				13,0		5,0	1,8

Thread M3
Material Titanium

Special designs on request.

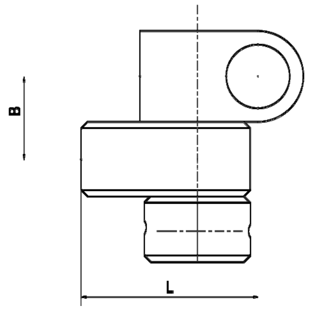


Knuckle XXT

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	DT M3 000 05 010	626103-6180-001	-				10,0		5,0	1,65

Thread M3
Material Titanium

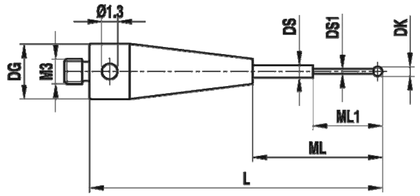
Special designs on request.

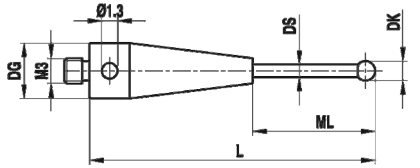


Carbide styli

Thread M3

Material Steel base, carbide stem, ruby ball





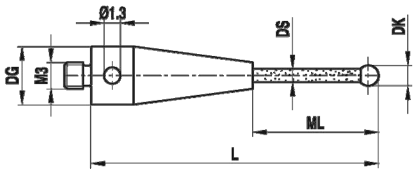
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M3 002 04 022	-	-	0,2	2,3/9,0	4,0	22,0	0,18/1,0		1,0
2	TH M3 0025 04 022	-	-	0,25	2,3/9,0	4,0	22,0	0,18/1,0		1,0
3	TH M3 003 04 022	602030-8121-000	A-5555-0273	0,3	2,3/9,0	4,0	22,0	0,2/1,0		1,0
4	TH M3 005 04 022	602030-8115-000	A-5555-0267	0,5	2,5/9,0	4,0	22,0	0,3/1,0		1,0
5	TH M3 006 04 022	602030-8116-000	A-5555-0268	0,6	4,6/9,0	4,0	22,0	0,4/1,0		1,0
6	TH M3 008 04 022	602030-8117-000	A-5555-0269	0,8	4,8/9,0	4,0	22,0	0,6/1,0		1,0
7	TH M3 010 04 010	602030-8120-000	A-5555-0272	1,0	5,0/5,5	4,0	10,5	0,8/1,0		1,0
8	TH M3 010 04 022	602030-8118-000	A-5555-0270	1,0	5,0/9,0	4,0	22,0	0,8/1,0		1,0
9	TH M3 015 04 022	602030-8119-000	A-5555-0271	1,5	9,0	4,0	22,0	1,0		1,0
10	TH M3 020 04 021	602030-8023-000	A-5555-0274	2,0	15,0	4,0	21,0	1,0		1,0
11	TH M3 020 04 022	602030-8104-000	A-5555-0261	2,0	9,0	4,0	22,0	1,0		1,0
12	TH M3 020 04 040	-	-	2,0	34,0	4,0	40,0	1,5		2,0
13	TH M3 030 04 021	602030-8106-000	A-5555-0277	3,0	13,0	4,0	21,0	2,0		1,0
14	TH M3 030 04 022	602030-8021-000	A-5555-0276	3,0	15,5	4,0	21,5	1,5		1,0
15	TH M3 K30 05 040	-	A-5555-0262	3,0	21,5	5,5	40,0	2,0		4,0
16	TH M3 Z30 05 040	602030-8113-000	A-5555-0263	3,0	21,5	5,5	40,0	2,0		4,0
17	TH M3 030 05 050	-	-	3,0	31,5	5,5	50,0	2,0		4,5
18	TH M3 040 04 030	-	-	4,0	22,0	4,0	30,0	2,0		2,0
19	TH M3 040 04 040	-	-	4,0	32,0	4,0	40,0	2,0		2,0
20	TH M3 040 04 050	-	-	4,0	42,0	4,0	50,0	2,0		2,9
21	TH M3 050 04 030	-	-	5,0	22,0	4,0	30,0	2,0		2,1
22	TH M3 050 04 040	-	-	5,0	32,0	4,0	40,0	2,0		2,0
23	TH M3 050 04 050	-	-	5,0	42,0	4,0	50,0	2,0		3,0
24	TH M3 050 04 060	-	-	5,0	52,0	4,0	60,0	2,0		3,5
25	TH M3 060 04 030	-	-	6,0	22,0	4,0	30,0	2,0		2,3
26	TH M3 060 04 040	-	-	6,0	32,0	4,0	40,0	2,0		2,7
27	TH M3 060 04 050	-	-	6,0	42,0	4,0	50,0	2,0		3,2

Peg mounted balls, except for ball-Ø 0,2 - 0,3 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli

Thread M3
Material Steel base, ceramic stem, ruby ball



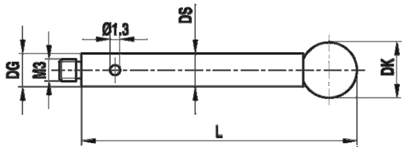
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M3 040 04 032	602030-8102-000	A-5555-0264	4,0	26,0	4,0	32,0	2,0		1,0
2	TK M3 050 04 032	602030-8101-000	A-5555-0266	5,0	19,0	4,0	32,0	2,0		1,0
3	TK M3 060 04 013	602030-8020-000	A-5555-0275	6,0	9,0	4,0	13,0	2,0		1,0
4	TK M3 060 04 043	-	-	6,0	30,5	4,0	43,5	2,0		1,2
5	TK M3 060 04 063	-	-	6,0	50,5	4,0	63,5	2,0		1,5
6	TK M3 080 04 031	-	-	8,0	18,5	4,0	31,5	2,0		1,3

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Steel styli

Thread M3
Material Steel base and stem, ruby ball



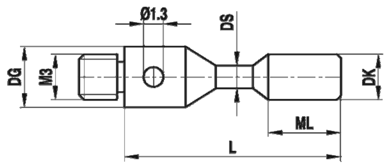
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M3 050 04 023	-	-	5,0	23,5	4,0	23,5	4,0		2,2
2	TI M3 050 04 033	-	-	5,0	33,5	4,0	33,5	4,0		3,1
3	TI M3 050 04 042	-	-	5,0	42,5	4,0	42,5	4,0		4,1
4	TI M3 050 04 052	-	-	5,0	52,5	4,0	52,5	4,0		5,1
5	TI M3 060 04 024	-	-	6,0	24,0	4,0	24,0	4,0		2,3
6	TI M3 060 04 034	-	-	6,0	34,0	4,0	34,0	4,0		3,2
7	TI M3 060 04 043	-	-	6,0	43,0	4,0	43,0	4,0		4,3
8	TI M3 060 04 053	-	-	6,0	53,0	4,0	53,0	4,0		5,2

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Cylinder styli

Thread M3
Material Steel base, carbide stem and cylinder



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	ZH M3 015 04 011	602030-8097-000	-	1,5	1,5	4,0	11,0	1,0		0,4
2	ZH M3 030 04 013	602030-8099-000	-	3,0	4,0	4,0	13,0	1,5		0,7

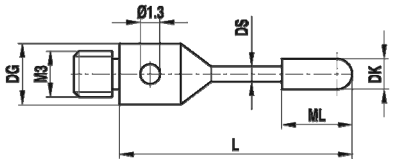
Special designs on request.

Cylinder styli

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	ZR M3 020 04 020	602030-8107-000	-	2,0	7,0	4,0	20,0	1,5		0,7

Thread M3
Material Steel base, carbide stem, ruby cylinder

Special designs on request.

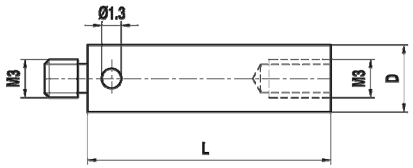


Extension

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VI M3 000 04 010	602030-8301-000	M-5000-7633			4,0	10,0			0,7
2	VI M3 000 04 020	602030-8302-000	M-5000-3592			4,0	20,0			1,6
3	VI M3 000 04 030	602030-8303-000	A-5555-0286			4,0	30,0			2,6
4	VI M3 000 04 040	602030-8304-000	A-5555-0287			4,0	40,0			3,7
5	VI M3 000 04 050	602030-8305-000	A-5555-0288			4,0	50,0			4,7

Thread M3
Material Stainless steel

Special designs on request.

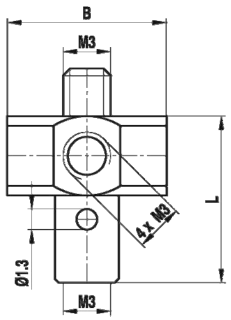


5-way holder, rotary

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	HI M3 000 12 011	602030-8382-000	A-5555-0303				11,5		12,0	4,2

Thread M3
Material Stainless steel

Special designs on request.

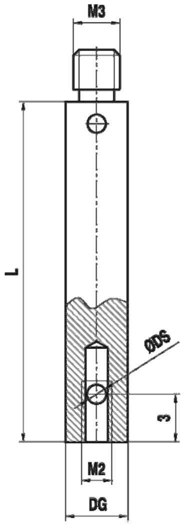


Holder 90° for styli

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KH M3 010 04 030	-	-			4,0	30,0	1,0		2,9
2	KH M3 015 04 030	-	-			4,0	30,0	1,5		2,9

Thread M3
Material Stainless steel

Special designs on request.

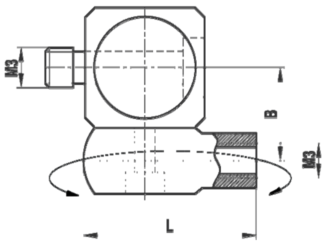


Rotary knuckle

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	DI M3 000 06 012	602030-9102-000	A-5000-7616				12,0		6,0	3,6

Thread M3
Material Stainless steel

Special designs on request.

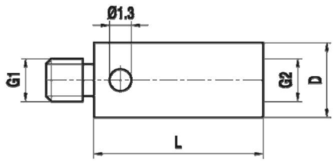


Adapter

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	from to	Weight g
1	RI M3 000 04 005	602030-8341-000	M-5000-4163			4,0	5,0		M3 / M2	0,5
2	RI M2 000 04 005	602030-8345-000	A-5555-0306			4,0	5,0		M2 / M3	0,5
3	RI M2 000 04 007	000000-1049-178	-			4,0	7,0		M2 / M3	0,5

Thread M3/M2
Material Stainless steel

Special designs on request.

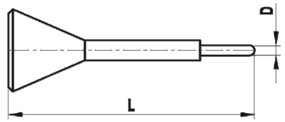


Pin tool

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	MI MO 012 00 023	602030-0001-000	A-5555-0233			1,2	23,0			

Thread M2/M3
Material Stainless steel

Special designs on request.



Wrench

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TF M2 M30 08 195	000000-1018-201	A-5555-0307							

Thread M3
Material Stainless steel

Special designs on request.

Hexagonal wrench

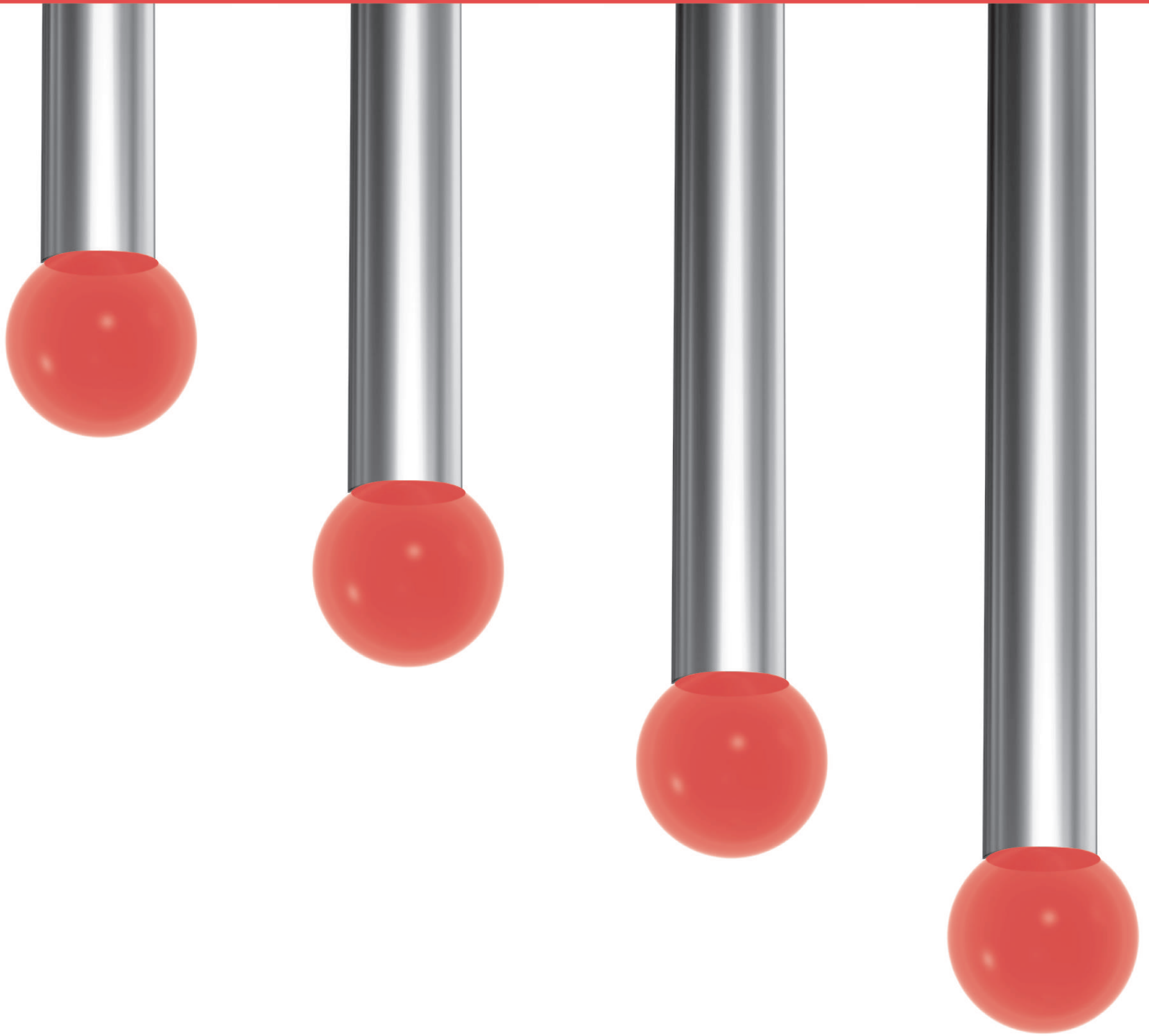
Thread

Material Steel, gunmetal alternatively nickel finish

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	SW	Weight g
1	WS DD 911 SW 009	602030-0042-000	A-5555-0235						0,9	
2	WS DD 911 SW 015	602030-0002-000	A-5555-0234						1,5	
3	WS DD 911 SW 020	000000-0015-245	-						2,0	
4	WS DD 911 SW 025	602030-0021-000	A-5555-0236						2,5	
5	WS DD 911 SW 030	000000-0015-247	-						3,0	
6	WS DD 911 SW 040	000000-0015-248	-						4,0	
7	WS DD 911 SW 050	-	-						5,0	
8	WS DD 911 SW 100	-	-						10,0	

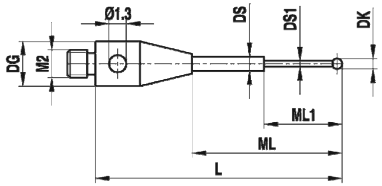
Zeiss Analogue

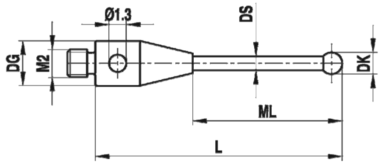
Technical details subject to change without notice.



Carbide styli

Thread M2
Material Steel base, carbide stem, ruby ball





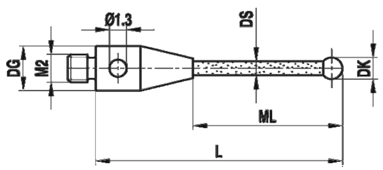
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M2 002 03 017	-	-	0,2	2,3/12,5	3,0	17,0	0,18/1,0		0,4
2	TH M2 0025 03 017	-	-	0,25	2,3/12,5	3,0	17,0	0,18/1,0		0,4
3	TH M2 003 03 018	-	-	0,3	2,3/13,5	3,0	18,0	0,2/1,0		0,4
4	TH M2 005 03 018	-	-	0,5	2,5/13,5	3,0	18,0	0,3/1,0		0,4
5	TH M2 006 03 018	-	-	0,6	4,6/13,8	3,0	18,3	0,4/1,0		0,4
6	TH M2 008 03 018	-	-	0,8	4,8/13,8	3,0	18,3	0,6/1,0		0,4
7	TH M2 010 03 010	602030-8006-000	A-5555-0308	1,0	6,5	3,0	10,5	0,8		0,3
8	TH M2 010 03 015	-	A-5555-0309	1,0	11,5	3,0	15,5	0,8		0,3
9	TH M2 010 03 018	-	-	1,0	5,0/14,0	3,0	18,5	0,8/1,0		0,4
10	TH M2 020 63 011	602030-8001-000	A-5555-0282	2,0	5,0	3,0	11,0	1,0		1,0
11	TH M2 020 03 011	602030-8008-000	A-5555-0310	2,0	7,0	3,0	11,0	1,0		1,0
12	TH M2 020 03 016	602030-8009-000	A-5555-0311	2,0	12,0	3,0	16,0	1,0		1,0
13	TH M2 020 03 021	602030-8005-000	A-5555-0281	2,0	15,0	3,0	21,0	1,0		1,0
14	TH M2 025 03 012	-	-	2,5	6,0	3,0	12,0	1,5		1,0
15	TH M2 030 03 012	-	-	3,0	6,0	3,0	12,0	2,0		1,0
16	TH M2 030 03 021	602030-8003-000	A-5003-0938	3,0	15,5	3,0	21,5	1,5		1,0
17	TH M2 040 03 012	602030-8015-000	A-5555-0312	4,0	8,0	3,0	12,0	2,5		1,0
18	TH M2 040 03 022	602030-8016-000	A-5555-0313	4,0	18,0	3,0	22,0	2,5		1,0
19	TH M2 050 03 022	602030-8034-000	A-5555-0283	5,0	16,5	3,0	22,5	2,0		1,0

Peg mounted balls, except for ball-Ø 0,2 - 0,3 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli

Thread M2
Material Steel base, ceramic stem, ruby ball



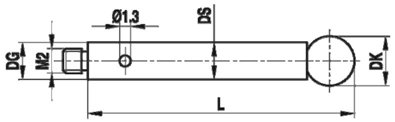
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M2 040 03 016	-	-	4,0	12,0	3,0	16,0	2,0		0,8
2	TK M2 040 03 036	-	-	4,0	30,0	3,0	36,0	2,0		1,0
3	TK M2 050 03 014	-	-	5,0	10,0	3,0	14,0	2,0		0,8
4	TK M2 050 03 022	-	A-5555-0279	5,0	16,5	3,0	22,5	2,0		1,0
5	TK M2 050 03 038	-	-	5,0	32,0	3,0	38,0	2,0		1,0
6	TK M2 060 03 013	602030-8002-000	A-5555-0278	6,0	9,0	3,0	13,0	2,0		1,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Steel styli

Thread M2
Material Steel base and stem, ruby ball



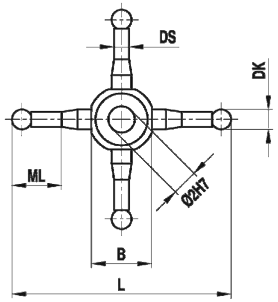
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M2 040 03 032	-	-	4,0	32,0	3,0	32,0	3,0		1,7
2	TI M2 040 03 042	-	-	4,0	42,0	3,0	42,0	3,0		2,4
3	TI M2 040 03 052	-	-	4,0	52,0	3,0	52,0	3,0		2,9
4	TI M2 050 03 022	-	-	5,0	22,0	3,0	22,0	3,0		1,3
5	TI M2 050 03 032	-	-	5,0	32,0	3,0	32,0	3,0		1,9
6	TI M2 050 03 042	-	-	5,0	42,5	3,0	42,5	3,0		2,5
7	TI M2 050 03 052	-	-	5,0	52,5	3,0	52,5	3,0		3,1
8	TI M2 060 03 013	602030-8017-000	A-5555-0314	6,0	13,0	3,0	13,0	3,0		0,9
9	TI M2 060 03 028	602030-8018-000	A-5555-0315	6,0	28,0	3,0	28,0	3,0		1,8
10	TI M2 080 03 013	602030-8019-000	A-5555-0316	8,0	13,0	3,0	13,0	3,0		2,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Star styli

Thread M2
Material Steel cube base and stems, ruby balls



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	SI M2 020 06 022	602030-8010-000	A-5555-0295	2,0	4,5		22,0	1,4	5,5	1,0
2	SI M2 020 06 032	602030-8011-000	A-5555-0294	2,0	9,5		32,0	1,4	5,5	1,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

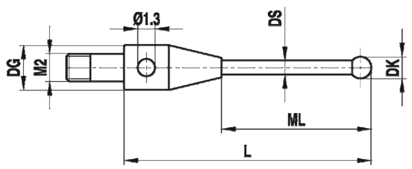
Styli for star configuration

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	SI M2 020 03 019	602030-8012-000	A-5555-0296	2,0	13,5	3,0	19,5	1,5		1,0

Thread M2
Material Steel base and stem, ruby ball

Peg mounted balls. Special designs on request.

Silicon nitride and zirconium oxide balls are available upon request for all styli and all thread sizes.

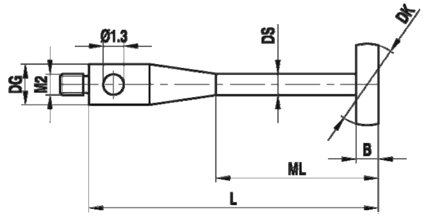


Spherical disk styli

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KK M2 040 03 032	602030-8202-000	A-5555-0298	4,0	19,0	3,0	32,0	1,0	1,0	1,0
2	KK M2 080 03 032	602030-8201-000	A-5555-0297	8,0	19,0	3,0	32,0	1,5	1,5	1,0

Thread M2
Material Steel base, carbide stem, ceramic disk

Special designs on request.

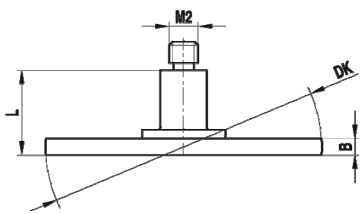


Spherical disk styli

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KI M2 140 20 005	602030-8203-000	A-5555-0299	14,0			5,5		2,0	1,0
2	KI M2 200 25 005	602030-8204-000	A-5555-0300	20,0			5,5		2,5	3,0

Thread M2
Material Steel base and stem, ceramic disk

Special designs on request.

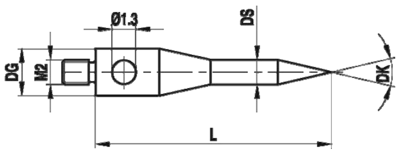


Pointer styli

Thread M2
Material Steel base, carbide stem

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	IH M2 030 03 010	602030-8342-000	A-5555-0317	30°	-	3,0	10,0	1,5		1,0
2	IH M2 060 03 010	-	A-5555-0318	60°	-	3,0	10,0	1,5		1,0

Special designs on request.

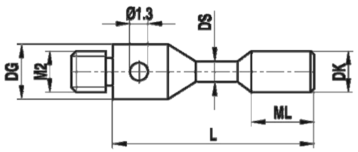


Cylinder styli

Thread M2
Material Steel base, carbide stem and cylinder

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	ZH M2 015 03 011	602030-8096-000	-	1,5	1,5	3,0	11,0	1,0		0,3
2	ZH M2 030 03 013	602030-8098-000	-	3,0	4,0	3,0	13,0	1,5		0,6

Special designs on request.

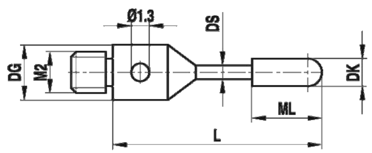


Cylinder styli

Thread M2
Material Steel base, carbide stem, ruby cylinder

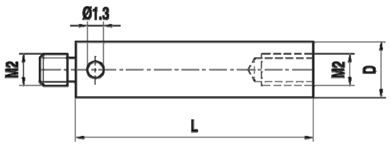
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	ZR M2 020 03 020	602030-8100-000	-	2,0	7,0	3,0	20,0	1,5		0,6

Special designs on request.



Extension

Thread M2
Material Stainless steel



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VI M2 000 03 005	602030-8321-000	M-5000-7634			3,0	5,0			0,2
2	VI M2 000 03 010	602030-8322-000	M-5000-3647			3,0	10,0			0,5
3	VI M2 000 03 020	602030-8323-000	M-5000-3648			3,0	20,0			1,0
4	VI M2 000 03 030	602030-8324-000	M-5000-4162			3,0	30,0			1,4
5	VI M2 000 03 035	-	-			3,0	35,0			1,8
6	VI M2 000 03 040	602030-8325-000	M-5000-7779			3,0	40,0			2,2
7	VI M2 000 03 050	-	-			3,0	50,0			2,7

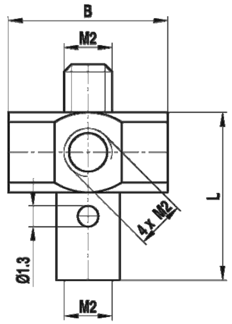
Special designs on request.

5-way holder, rotary

Thread M2
Material Stainless steel

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	HI M2 000 07 008	602030-8381-000	A-5000-3627				7,5		7,0	1,2

Special designs on request.

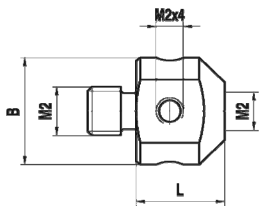


5-way holder, small/large

Thread M2
Material Stainless steel

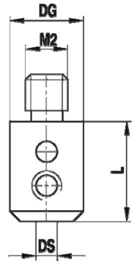
Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	HI M2 000 07 005	602030-9103-000	A-5555-0320				5,4		7,0	1,0
2	HI M2 000 10 009	602030-9104-000	A-5555-0319				9,1		10,5	3,4

Special designs on request.



Holder for styli

Thread M2
Material Stainless steel

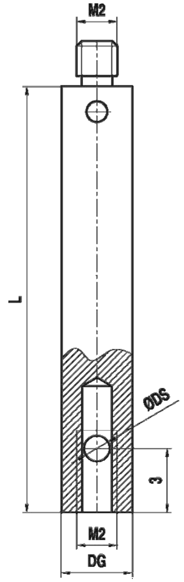


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KH M2 010 06 008	-	-			6,0	8,0	1,0		1,0
2	KH M2 015 06 008	-	-			6,0	8,0	1,5		1,0
3	KH M2 020 06 008	-	-			6,0	8,0	2,0		1,0

Special designs on request.

Holder 90° for styli

Thread M2
Material Stainless steel



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KH M2 010 03 030	-	-			3,0	30,0	1,0		2,9
2	KH M2 015 03 030	-	-			3,0	30,0	1,5		2,9

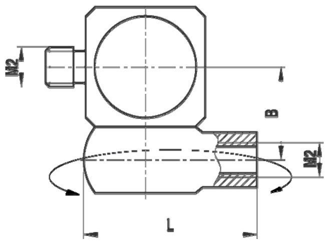
Special designs on request.

Rotary knuckle

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	DI M2 000 04 008	602030-9101-000	A-5000-7534				8,0		4,5	2,0

Thread M2
Material Stainless steel

Special designs on request.

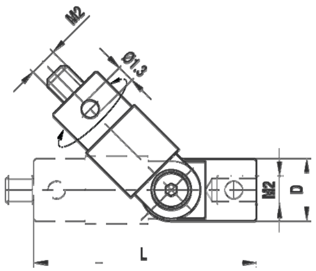


Rotary knuckle, slewing range 360°, swing range 180°

Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	GI M2 000 04 016	602030-9105-000	A-5000-9902			4,0	16,5			1,5

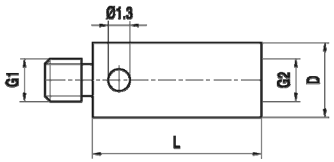
Thread M2
Material Stainless steel

Special designs on request.



Adapter

Thread M3/M2
Material Stainless steel

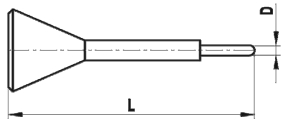


Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DGD	L	DS1 DS	fromto	Weight g
1	RI M3 000 04 005	602030-8341-000	M-5000-4163			4,0	5,0		M3 / M2	0,5
2	RI M2 000 04 005	602030-8345-000	A-5555-0306			4,0	5,0		M2 / M3	0,5
3	RI M2 000 04 007	000000-1049-178	-			4,0	7,0		M2 / M3	0,5

Special designs on request.

Pin tool

Thread M2/M3
Material Stainless steel



Pos.	itp Order No	analogue Zeiss	Renishaw Order No	DK	ML1 ML	DGD	L	DS1 DS	EAL B	Weight g
1	MI MO 012 00 023	602030-0001-000	A-5555-0233			1,2	23,0			

Special designs on request.

Renishaw Analogue

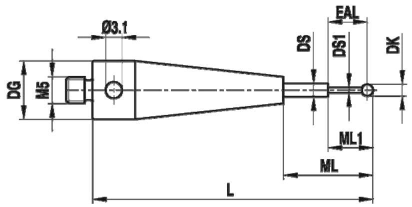
Technical details subject to change without notice.

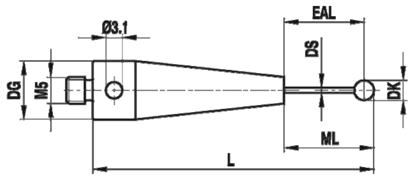
Renishaw Analogue

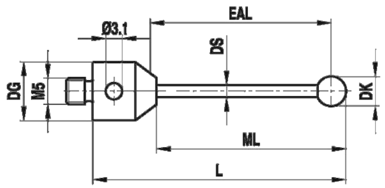
Technical details subject to change without notice.

Carbide styli

Thread M5
Material Titanium base, carbide stem, ruby ball







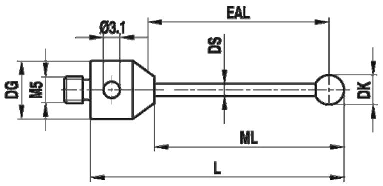
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M5 002 10 020	-	-	0,2	2,3/5,15	10,0	20,15	0,18/1,0	2,2	6,5
2	TH M5 0025 10 020	-	-	0,25	2,3/5,15	10,0	20,15	0,18/1,0	2,2	6,5
3	TH M5 003 10 020	A-5003-5201	-	0,3	3,15/5,15	10,0	20,15	0,2/0,7	3,0	6,5
4	TH M5 003 10 030	A-5003-5211	-	0,3	3,15/5,15	10,0	30,15	0,2/0,7	3,0	9,0
5	TH M5 003 10 050	A-5003-5225	-	0,3	3,15/5,15	10,0	50,15	0,2/0,7	3,0	15,8
6	TH M5 003 10 075	A-5003-5240	-	0,3	3,15/5,15	10,0	75,15	0,2/0,7	3,0	23,8
7	TH M5 005 10 020	A-5003-5202	-	0,5	4,25/5,25	10,0	20,25	0,4/0,7	4,0	6,5
8	TH M5 005 10 030	A-5003-5212	-	0,5	4,25/5,25	10,0	30,25	0,4/0,7	4,0	9,0
9	TH M5 005 10 050	A-5003-5226	-	0,5	4,25/5,25	10,0	50,25	0,4/0,7	4,0	15,8
10	TH M5 005 10 075	A-5003-5241	-	0,5	4,25/5,25	10,0	75,25	0,4/0,7	4,0	23,8
11	TH M5 007 10 020	A-5003-5203	-	0,7	5,35	10,0	20,35	0,5	5,0	6,5
12	TH M5 007 10 030	A-5003-5213	-	0,7	5,35	10,0	30,35	0,5	5,0	9,0
13	TH M5 007 10 050	A-5003-5227	-	0,7	5,35	10,0	50,35	0,5	5,0	15,8
14	TH M5 007 10 075	A-5003-5242	-	0,7	5,35	10,0	75,35	0,5	5,0	23,9
15	TH M5 010 10 020	A-5003-5204	-	1,0	5,5	10,0	20,5	0,7	5,0	6,5
16	TH M5 010 10 030	A-5003-5214	-	1,0	5,5	10,0	30,5	0,7	5,0	9,0
17	TH M5 010 10 050	A-5003-5228	-	1,0	5,5	10,0	50,5	0,7	5,0	15,8
18	TH M5 010 10 075	A-5003-5243	-	1,0	5,5	10,0	75,5	0,7	5,0	23,8
19	TH M5 015 10 020	A-5003-5205	-	1,5	11,75	10,0	20,75	1,0	11,0	4,7
20	TH M5 015 10 030	A-5003-5215	-	1,5	12,75	10,0	30,75	1,0	12,0	7,3
21	TH M5 015 10 040	A-5003-5221	-	1,5	22,75	10,0	40,75	1,0	20,0	7,4
22	TH M5 015 10 050	A-5003-5229	-	1,5	5,75	10,0	50,75	1,0	5,0	14,8
23	TH M5 015 10 075	A-5003-5244	-	1,5	5,75	10,0	75,75	1,0	5,0	23,9
24	TH M5 020 10 021	A-5003-5206	-	2,0	12,0	10,0	21,0	1,0	11,0	4,7
25	TH M5 020 10 031	A-5003-5216	-	2,0	22,0	10,0	31,0	1,0	21,0	4,8
26	TH M5 020 10 041	A-5003-5222	-	2,0	32,0	10,0	41,0	1,0	31,0	4,9
27	TH M5 020 10 051	A-5003-5230	-	2,0	42,0	10,0	51,0	1,0	41,0	5,1
28	TH M5 020 45 051	A-5003-5231	-	2,0	6,0	10,0	51,0	1,0	5,0	14,9
29	TH M5 025 10 021	A-5003-5207	-	2,5	12,25	10,0	21,25	1,5	11,0	4,8
30	TH M5 025 10 031	A-5003-5217	-	2,5	22,25	10,0	31,25	1,5	21,0	5,1
31	TH M5 025 10 041	A-5003-5223	-	2,5	32,25	10,0	41,25	1,5	31,0	5,4
32	TH M5 025 10 051	A-5003-5233	-	2,5	6,25	10,0	51,25	1,5	5,0	14,9
33	TH M5 030 10 101	A-5003-5254	-	3,0	56,5	10,0	101,5	1,5	55,0	16,3

Peg mounted balls, except for ball-Ø 0,2 - 0,3 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbide styli

Thread M5
Material Titanium base, carbide stem, ruby ball



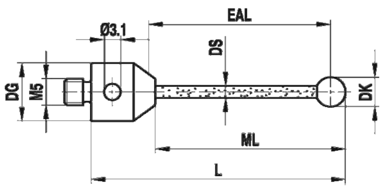
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M5 030 11 025	A-5003-0787	-	3,0	15,0	11,0	25,0	2,0	15,0	4,0
2	TH M5 030 11 033	A-5003-0788	-	3,0	23,5	11,0	33,5	2,0	23,5	4,5
3	TH M5 030 11 050	A-5003-0789	-	3,0	40,0	11,0	50,0	2,0	40,0	5,2
4	TH M5 030 11 058	A-5003-0790	-	3,0	48,0	11,0	58,0	2,0	48,0	5,5
5	TH M5 040 11 033	A-5003-0791	-	4,0	23,5	11,0	33,5	2,0	23,5	4,5
6	TH M5 040 11 064	A-5003-0792	-	4,0	54,0	11,0	64,0	2,0	54,0	5,9
7	TH M5 050 11 050	A-5003-0794	-	5,0	40,0	11,0	50,0	3,5	40,0	9,0
8	TH M5 050 11 075	A-5003-0795	-	5,0	65,0	11,0	75,0	3,5	65,0	12,5
9	TH M5 060 11 054	A-5003-0797	-	6,0	44,0	11,0	54,0	3,5	44,0	10,0
10	TH M5 070 11 055	A-5003-0798	-	7,0	45,0	11,0	55,0	3,5	45,0	10,0
11	TH M5 080 11 063	A-5003-0799	-	8,0	50,5	11,0	63,5	6,0	50,5	24,8
12	TH M5 080 11 100	A-5003-0800	-	8,0	87,0	11,0	100,0	6,0	87,0	40,0
13	TH M5 080 11 114	A-5003-0801	-	8,0	101,5	11,0	114,5	6,0	101,5	45,8
14	TH M5 090 11 064	A-5003-0802	-	9,0	51,5	11,0	64,5	6,0	51,5	26,3
15	TH M5 100 11 065	A-5003-0803	-	10,0	52,5	11,0	65,5	6,0	52,5	25,8
16	TH M5 100 11 118	A-5003-0804	-	10,0	105,0	11,0	118,0	6,0	105,0	47,3

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli

Thread M5
Material Titanium base, ceramic stem, ruby ball



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M5 050 11 053	A-5003-0816	-	5,0	43,0	11,0	53,0	3,5	43,0	4,6
2	TK M5 060 11 054	A-5003-0819	-	6,0	44,0	11,0	54,0	3,5	44,0	4,7
3	TK M5 070 11 055	A-5003-0820	-	7,0	45,0	11,0	55,0	3,5	45,0	5,0
4	TK M5 080 11 063	A-5003-0821	-	8,0	50,5	11,0	63,5	6,0	50,5	8,3
5	TK M5 080 19 063	A-5003-0824	-	8,0	41,5	19,0	63,5	6,0	41,5	33,0
6	TK M5 080 19 114	A-5003-0825	-	8,0	92,5	19,0	114,5	6,0	92,5	38,0
7	TK M5 090 11 064	A-5003-0822	-	9,0	51,5	11,0	64,5	6,0	51,5	8,4
8	TK M5 090 19 064	A-5003-0826	-	9,0	42,5	19,0	64,5	6,0	42,5	21,0
9	TK M5 100 11 065	A-5003-0823	-	10,0	52,5	11,0	65,5	6,0	52,5	9,0
10	TK M5 100 19 065	A-5003-0827	-	10,0	43,5	19,0	65,5	6,0	43,5	38,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

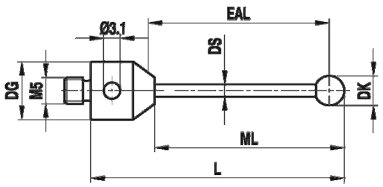
Carbide styli with silicon nitride ball	Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
	1	TH M5 S20 10 021	A-5003-5732	-	2,0	12,0	10,0	21,0	1,0	11,0	4,7

Thread M5

Material Titanium base, carbide stem, silicon nitride ball

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.



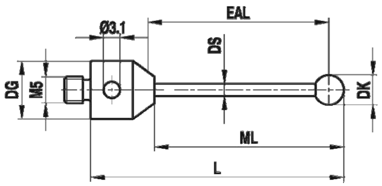
Carbide styli with zirconium oxide ball	Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
	1	TH M5 Z20 10 021	A-5003-5746	-	2,0	12,0	10,0	21,0	1,0	11,0	4,7

Thread M5

Material Titanium base, carbide stem, zirconium oxide ball

Peg mounted balls. Special designs on request.

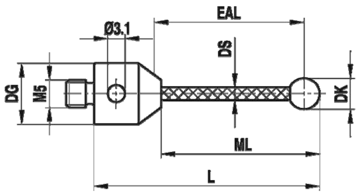
All existing ball materials are available upon request for all styli and all thread sizes.

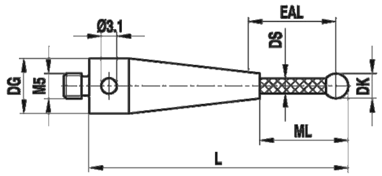


Carbon fibre styli, thermostable

Thread M5

Material Titanium base, carbon fibre stem, thermostable , ruby ball





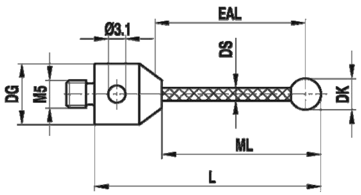
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M5 025 10 051	-	-	2,5	42,25	10,0	51,25	2,0	41,0	4,7
2	TC M5 030 10 021	A-5003-5208	-	3,0	12,5	10,0	21,5	2,0	11,0	4,6
3	TC M5 030 10 031	-	-	3,0	22,5	10,0	31,5	2,0	21,0	4,6
4	TC M5 030 10 041	-	-	3,0	32,5	10,0	41,5	2,0	31,0	4,7
5	TC M5 030 10 051	-	-	3,0	42,5	10,0	51,5	2,0	41,0	4,7
6	TC M5 030 10 101	-	-	3,0	21,5	10,0	101,5	2,0	20,0	24,8
7	TC M5 040 10 022	A-5003-5209	-	4,0	13,0	10,0	22,0	2,0	11,0	4,7
8	TC M5 040 10 032	-	-	4,0	23,0	10,0	32,0	2,0	21,0	4,7
9	TC M5 040 10 052	-	-	4,0	43,0	10,0	52,0	2,0	41,0	4,8
10	TC M5 040 10 077	-	-	4,0	68,0	10,0	77,0	3,0	65,0	5,3
11	TC M5 040 80 102	-	-	4,0	22,0	10,0	102,0	2,0	20,0	24,8
12	TC M5 040 50 102	-	-	4,0	52,0	10,0	102,0	3,0	50,0	18,0
13	TC M5 050 10 022	-	-	5,0	13,5	10,0	22,5	3,0	11,0	4,8
14	TC M5 050 10 032	-	-	5,0	23,5	10,0	32,5	3,0	21,0	4,9
15	TC M5 050 10 052	-	-	5,0	43,5	10,0	52,5	3,0	41,0	5,1
16	TC M5 050 10 077	-	-	5,0	68,5	10,0	77,5	3,0	65,0	5,4
17	TC M5 050 50 102	-	-	5,0	52,5	10,0	102,5	3,0	50,0	18,2
18	TC M5 050 10 102	-	-	5,0	93,5	10,0	102,5	3,0	91,0	5,7
19	TC M5 060 10 053	A-5003-5237	-	6,0	42,0	10,0	53,0	4,0	39,0	6,1
20	TC M5 060 10 078	A-5003-5250	-	6,0	67,0	10,0	78,0	4,0	64,0	6,6
21	TC M5 060 50 103	A-5003-5259	-	6,0	53,0	10,0	103,0	4,0	50,0	19,7
22	TC M5 060 10 103	A-5003-5260	-	6,0	92,0	10,0	103,0	4,0	89,0	7,1
23	TC M5 060 10 153	A-5003-5265	-	6,0	138,0	10,0	153,0	4,0	120,0	9,1
24	TC M5 060 10 203	A-5003-5268	-	6,0	188,0	10,0	203,0	4,0	180,0	10,1
25	TC M5 060 10 303	A-5003-5271	-	6,0	288,0	10,0	303,0	4,0	280,0	12,0
26	TC M5 080 10 054	A-5003-5238	-	8,0	41,0	10,0	54,0	6,0	37,0	8,0
27	TC M5 080 10 079	A-5003-5251	-	8,0	66,0	10,0	79,0	6,0	62,0	9,1
28	TC M5 080 50 104	A-5003-5261	-	8,0	54,0	10,0	104,0	6,0	50,0	23,0
29	TC M5 080 10 104	A-5003-5262	-	8,0	91,0	10,0	104,0	6,0	87,0	10,2
30	TC M5 080 10 154	A-5003-5266	-	8,0	135,0	10,0	154,0	6,0	120,0	13,7
31	TC M5 080 10 204	A-5003-5269	-	8,0	185,0	10,0	204,0	6,0	180,0	15,9
32	TC M5 080 10 304	A-5003-5272	-	8,0	285,0	10,0	304,0	6,0	280,0	20,3
33	TC M5 100 10 055	A-5003-5239	-	10,0	42,0	10,0	55,0	6,0	37,0	8,9
34	TC M5 100 10 080	A-5003-5252	-	10,0	67,0	10,0	80,0	6,0	62,0	10,0
35	TC M5 100 50 105	A-5003-5263	-	10,0	55,0	10,0	105,0	6,0	50,0	23,9
36	TC M5 100 10 105	A-5003-5264	-	10,0	92,0	10,0	105,0	6,0	87,0	11,1
37	TC M5 100 10 155	A-5003-5267	-	10,0	136,0	10,0	155,0	6,0	120,0	14,7
38	TC M5 100 10 205	A-5003-5270	-	10,0	186,0	10,0	205,0	6,0	180,0	16,9
39	TC M5 100 10 305	A-5003-5273	-	10,0	286,0	10,0	305,0	6,0	280,0	21,3

Peg mounted balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable with silicon nitride ball

Thread M5
Material Titanium base, carbon fibre stem, thermostable, silicon nitride ball



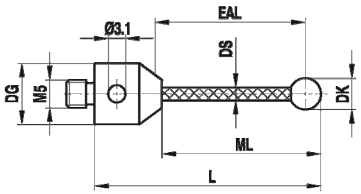
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M5 S40 10 022	A-5003-5733	-	4,0	13,0	10,0	22,0	2,0	11,0	5,0
2	TC M5 S60 10 053	A-5003-5734	-	6,0	42,0	10,0	53,0	4,0	39,0	7,0
3	TC M5 S60 50 103	A-5003-5735	-	6,0	53,0	10,0	103,0	4,0	50,0	20,7

Peg mounted balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable with zirconium oxide ball

Thread M5
Material Titanium base, carbon fibre stem, thermostable, zirconium oxide ball



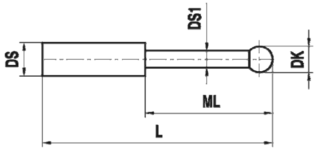
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M5 Z40 10 022	A-5003-5747	-	4,0	13,0	10,0	22,0	2,0	11,0	5,0
2	TC M5 Z60 10 053	A-5003-5748	-	6,0	42,0	10,0	53,0	4,0	39,0	7,0
3	TC M5 Z60 50 103	A-5003-5749	-	6,0	53,0	10,0	103,0	4,0	50,0	20,7

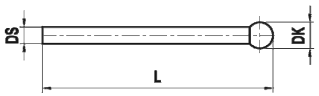
Peg mounted balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Styli for holder

Thread M5
Material Carbide stem, ruby ball





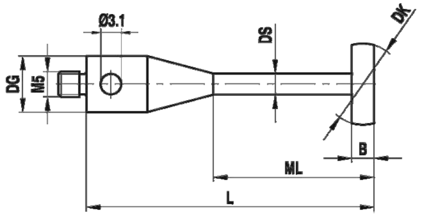
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KT M5 003 01 015	A-5003-0805	-	0,3	2,3		15,3	0,2 / 1,0		1,0
2	KT M5 005 01 015	A-5003-0806	-	0,5	2,5		15,5	0,3 / 1,0		1,0
3	KT M5 006 01 015	A-5003-0807	-	0,6	4,6		15,6	0,4 / 1,0		1,0
4	KT M5 008 01 015	A-5003-0808	-	0,8	4,8		15,8	0,6 / 1,0		1,0
5	KT M5 010 01 016	A-5003-0809	-	1,0	5,0		16,0	0,8 / 1,0		1,0
6	KT M5 015 10 026	A-5003-0810	-	1,5	26,5		26,5	1,0		1,0
7	KT M5 020 15 027	A-5003-0811	-	2,0	27,0		27,0	1,5		1,0
8	KT M5 025 15 027	A-5003-0812	-	2,5	27,5		27,5	1,5		1,0

Peg mounted balls, except for ball-Ø 0,3 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Spherical disk styli

Thread M5
Material Steel base, carbide stem, high-strength steel disk

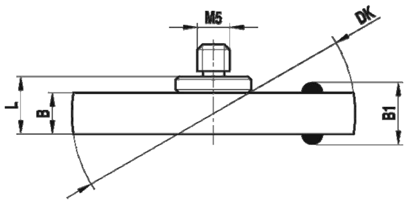


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KH M5 080 12 056	A-5003-1091	-	8,0	46,0	12,0	57,0	2,5	1,0	12,0
2	KH M5 100 12 046	A-5003-1090	-	10,0	35,7	12,0	46,7	3,0	0,7	13,0
3	KH M5 160 12 057	A-5003-1092	-	16,0	49,5	12,0	60,5	3,5	2,5	18,0

Special designs on request.

Spherical disk styli with two hemispherical rubies

Thread M5
Material Steel stem, high-strength steel disk

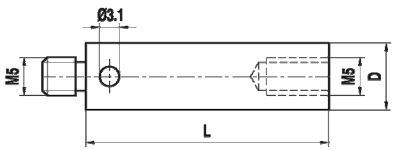


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	B1 B	Weight g
1	KI M5 030 12 M50	A-5003-5288	-	12,0			5,0		5,0 / 3,0	2,6
2	KI M5 030 21 M50	A-5003-5289	-	21,0			5,0		5,0 / 3,0	5,3
3	KI M5 050 35 M50	A-5003-5290	-	35,0			7,0		8,0 / 5,0	14,0
4	KI M5 050 63 M50	A-5003-5291	-	63,5			7,0		8,0 / 5,0	51,0

Special designs on request. Disk in steel. EAL corresponds to dimension B in the drawing.

Extension

Thread M5
Material Stainless steel

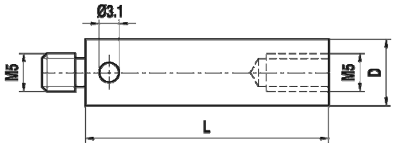


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VI M5 000 11 010	A-5555-0142	-			11,0	10,0			6,0
2	VI M5 000 11 020	A-5555-0140	-			11,0	20,0			13,0
3	VI M5 000 11 030	A-5555-0669	-			11,0	30,0			20,0
4	VI M5 000 11 040	A-5003-0841	-			11,0	40,0			28,0
5	VI M5 000 11 050	A-5555-0670	-			11,0	50,0			34,8
6	VI M5 000 11 060	A-5003-0842	-			11,0	60,0			43,0
7	VI M5 000 11 080	A-5003-0843	-			11,0	80,0			58,0
8	VI M5 000 11 100	A-5555-0136	-			11,0	100,0			73,0

Special designs on request.

Extension

Thread M5
Material Aluminum

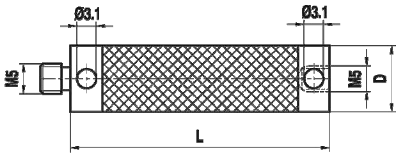


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VA M5 000 11 040	A-5003-0834	-			11,0	40,0			10,3
2	VA M5 000 11 060	A-5003-0835	-			11,0	60,0			15,4
3	VA M5 000 11 080	A-5003-0836	-			11,0	80,0			20,6
4	VA M5 000 11 100	A-5003-0837	-			11,0	100,0			25,6
5	VA M5 000 11 120	A-5003-0838	-			11,0	120,0			30,9
6	VA M5 000 20 040	A-5003-0828	-			20,0	40,0			29,0
7	VA M5 000 20 050	A-5555-0671	-			20,0	50,0			34,0
8	VA M5 000 20 060	A-5003-0829	-			20,0	60,0			37,7
9	VA M5 000 20 080	A-5003-0830	-			20,0	80,0			44,8
10	VA M5 000 20 100	A-5555-0127	-			20,0	100,0			50,7
11	VA M5 000 20 150	A-5003-0832	-			20,0	150,0			67,4
12	VA M5 000 20 200	A-5555-0125	-			20,0	200,0			84,7

Extension

Thread M5

Material Black carbon fibre, thermostable, titanium ends



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VC M5 TZ0 11 040	A-5555-0647	-			11,0	40,0			9,0
2	VC M5 TZ0 11 050	A-5555-0648	-			11,0	50,0			10,0
3	VC M5 TZ0 11 060	A-5555-0649	-			11,0	60,0			11,0
4	VC M5 TZ0 11 070	A-5555-0623	-			11,0	70,0			11,0
5	VC M5 TZ0 11 080	A-5555-0650	-			11,0	80,0			12,0
6	VC M5 TZ0 11 090	A-5555-0651	-			11,0	90,0			13,0
7	VC M5 TZ0 11 100	A-5555-0652	-			11,0	100,0			14,0
8	VC M5 TZ0 11 120	A-5555-0425	-			11,0	120,0			15,0
9	VC M5 TZ0 11 150	A-5555-0424	-			11,0	150,0			17,0
10	VC M5 TZ0 11 180	A-5555-0653	-			11,0	180,0			19,0
11	VC M5 TZ0 11 200	A-5555-0654	-			11,0	200,0			21,0
12	VC M5 TZ0 11 250	A-5555-0655	-			11,0	250,0			24,0
13	VC M5 TZ0 11 300	A-5555-0642	-			11,0	300,0			27,0
14	VC M5 TZ0 11 400	A-5555-0656	-			11,0	400,0			34,0
15	VC M5 TZ0 20 040	A-5555-0520	-			20,0	40,0			26,0
16	VC M5 TZ0 20 050	A-5555-0657	-			20,0	50,0			28,0
17	VC M5 TZ0 20 060	A-5555-0658	-			20,0	60,0			29,0
18	VC M5 TZ0 20 080	A-5555-0621	-			20,0	80,0			32,0
19	VC M5 TZ0 20 100	A-5555-0659	-			20,0	100,0			34,0
20	VC M5 TZ0 20 120	A-5555-0660	-			20,0	120,0			37,0
21	VC M5 TZ0 20 150	A-5555-0661	-			20,0	150,0			41,0
22	VC M5 TZ0 20 180	A-5555-0662	-			20,0	180,0			45,0
23	VC M5 TZ0 20 200	A-5555-0663	-			20,0	200,0			48,0
24	VC M5 TZ0 20 250	A-5555-0427	-			20,0	250,0			55,0
25	VC M5 TZ0 20 300	A-5555-0664	-			20,0	300,0			62,0
26	VC M5 TZ0 20 400	A-5555-0665	-			20,0	400,0			75,0
27	VC M5 TZ0 20 500	A-5555-0667	-			20,0	500,0			89,0
28	VC M5 TZ0 20 600	A-5555-0668	-			20,0	600,0			103,0

Special designs on request.

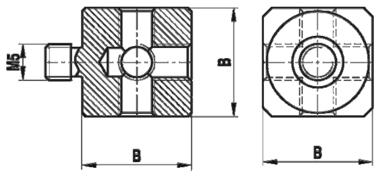
Thermostable carbon fibre made of high tech fibres used in aerospace technology. E-module of approximately 450 GPa.

Cube

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M5 000 15 000	A-5003-5680	-						15,0	12,6
2	WT M5 000 20 000	A-5003-5681	-						20,0	31,5

Thread M5
Material Titanium

Special designs on request.

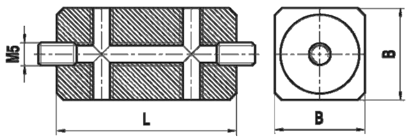


Double cube

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M5 000 20 040	A-5003-5682	-				40,0		20,0	64,0

Thread M5
Material Titanium

Special designs on request.

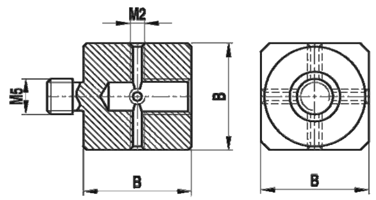


Cube

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M5 0M2 15 000	A-5003-5683	-						15,0	13,8
2	WT M5 0M2 20 000	A-5003-5684	-						20,0	35,2

Thread M5/M2
Material Titanium

Special designs on request.

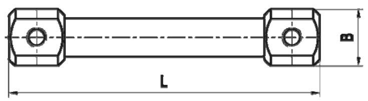


Cube extension

Thread M5
Material Titanium

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M5 000 20 120	A-5003-1095	-				120,0		20,0	87,0

Special designs on request.

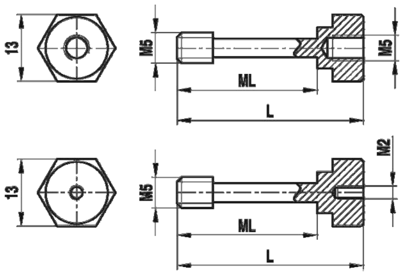


Screw for cube and spherical disk

Thread M5
Material Stainless steel

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	SI M5 000 21 030	A-5003-5677	-		21,0		30,0			9,0
2	SI M5 000 26 035	A-5003-5676	-		26,0		35,0			9,0
3	SI M5 0M2 20 030	A-5003-5679	-		20,0		30,0			6,7
4	SI M5 0M2 26 035	A-5003-5678	-		26,0		35,0			7,1

Special designs on request.

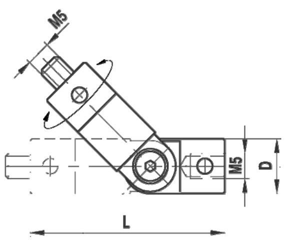


Rotary knuckle, slewing range 360°, swing range 180°

Thread M5
Material Titanium

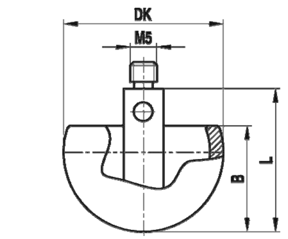
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	DG M5 000 11 051	A-5003-5278	-			11,0	51,0			19,0
2	DG M5 000 18 058	A-5003-5279	-			18,0	58,0			58,0

Special designs on request.



Hollow ceramic hemisphere

Thread M5
Material Steel base, hollow ceramic hemisphere

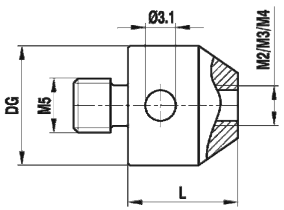


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	HK M5 160 10 019	A-5003-5275	-	16,0		10,0	19,5		10,0	7,0
2	HK M5 180 10 020	-	-	18,0		10,0	20,0		12,0	7,0
3	HK M5 220 10 020	A-5003-5276	-	22,0		10,0	20,0		13,0	10,0
4	HK M5 300 10 024	A-5003-5277	-	30,0		10,0	24,5		18,0	18,0

Special designs on request.

Adapter

Thread M5
Material Stainless Steel

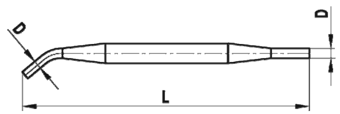


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	from to	EAL B	Weight g
1	RT M5 200 11 010	A-5003-0858	-			11,0	10,0	M5 / M2		5,2
2	RT M5 300 11 010	A-5003-0857	-			11,0	10,0	M5 / M3		5,2
3	RT M5 400 11 010	A-5003-0856	-			11,0	10,0	M5 / M4		5,2

Special designs on request.

Pin-type wrench

Thread M5
Material Stainless steel

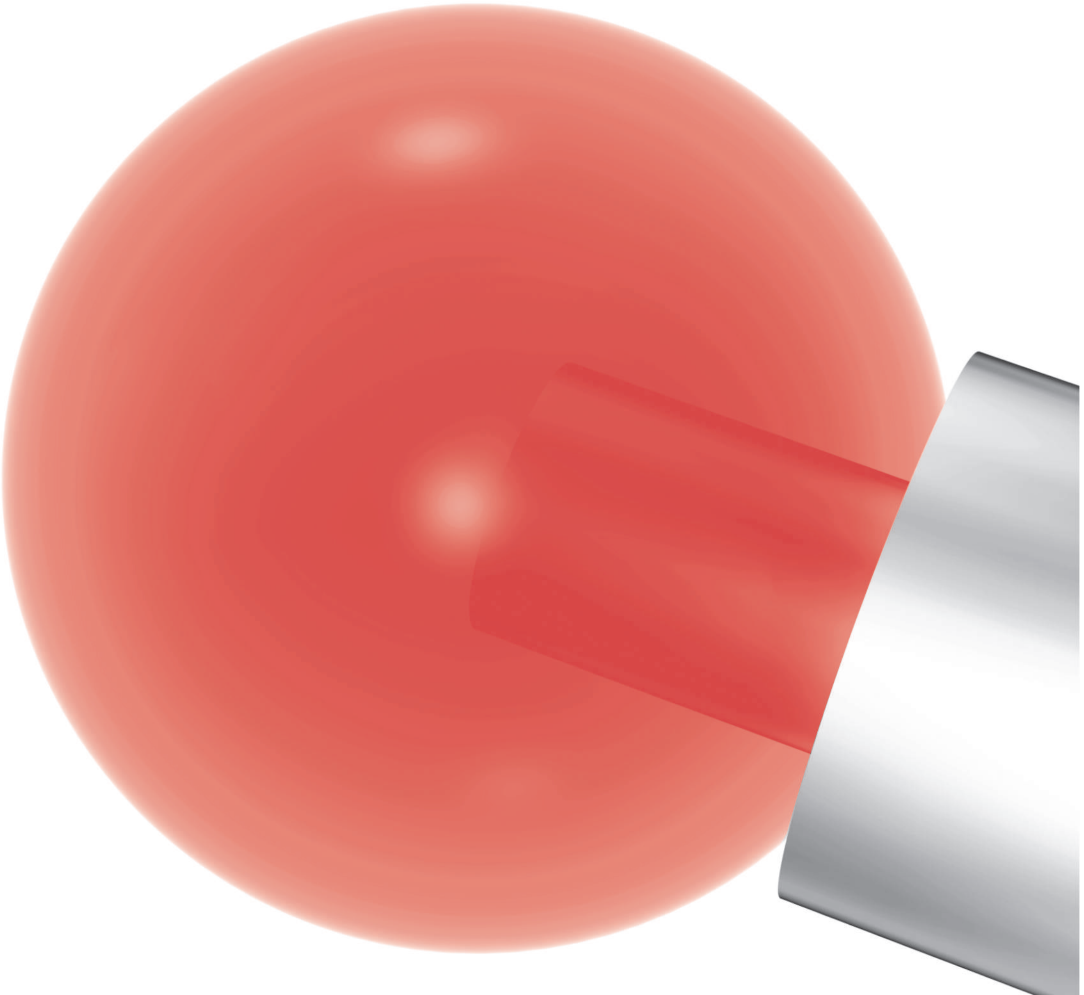


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	MI MO 029 00 070	M-5000-9304	-			2,9	70,0			

Special designs on request.

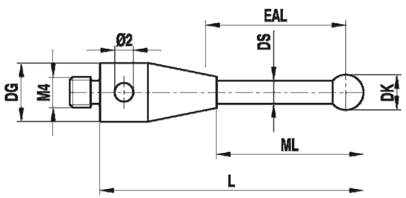
Renishaw Analogue

Technical details subject to change without notice.



Carbide styli

Thread M4
Material Steel base, carbide stem, ruby ball



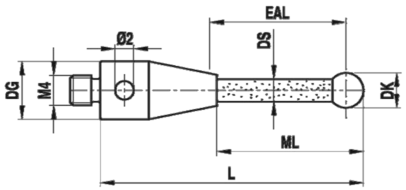
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M4 010 R7 020	A-5003-4792	-	1,0	10,5	7,0	20,5	0,7	10,0	2,4
2	TH M4 020 07 021	A-5003-2932	-	2,0	11,0	7,0	21,0	1,5	10,0	3,0
3	TH M4 020 07 051	A-5003-4797	-	2,0	41,0	7,0	51,0	1,5	40,0	3,8
4	TH M4 030 07 021	A-5003-4793	-	3,0	11,5	7,0	21,5	1,5	10,0	3,5
5	TH M4 030 07 051	A-5003-3680	-	3,0	40,0	7,0	51,5	2,0	38,0	4,9
6	TH M4 040 07 022	A-5003-4794	-	4,0	10,5	7,0	22,0	1,5	10,0	3,5
7	TH M4 040 07 052	A-5003-4799	-	4,0	40,5	7,0	52,0	2,0	38,0	5,0
8	TH M4 050 07 022	A-5003-4795	-	5,0	9,0	7,0	22,5	2,5	6,0	4,5
9	TH M4 050 07 052	A-5003-4800	-	5,0	39,0	7,0	52,5	2,5	36,0	6,7
10	TH M4 060 07 023	A-5003-4796	-	6,0	9,5	7,0	23,0	2,5	6,0	4,7
11	TH M4 060 07 053	A-5003-4801	-	6,0	39,5	7,0	53,0	2,5	36,0	6,9

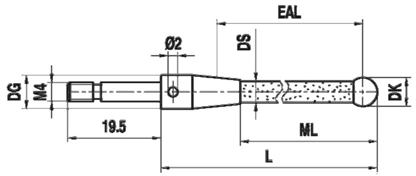
Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli

Thread M4
Material Steel base, ceramic stem, ruby ball





Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M4 050 07 052	A-5003-0235	-	5,0	36,0	7,0	52,5	3,5	34,0	5,0
2	TK M4 050 07 077	A-5003-0236	-	5,0	61,0	7,0	77,5	3,5	59,0	5,6
3	TK M4 050 07 102	A-5000-9761	-	5,0	86,0	7,0	102,5	3,5	84,0	6,4
4	TK M4 060 07 053	A-5000-3709	PS3-1C	6,0	36,5	7,0	53,0	4,5	36,0	4,7
5	TK M4 060 S7 053*	A-5000-7098	-	6,0	36,5	7,0	53,0	4,5	36,0	6,0
6	TK M4 060 07 078	A-5003-2764	-	6,0	61,5	7,0	78,0	4,5	63,5	5,6
7	TK M4 060 07 103	A-5000-3712	PS3-2C	6,0	86,5	7,0	103,0	4,5	86,0	6,7
8	TK M4 060 S7 103*	A-5000-6462	-	6,0	86,0	7,0	103,0	4,5	86,0	7,5
9	TK M4 080 07 054	A-5000-7795	PS3-6C	8,0	37,5	7,0	54,0	4,5	50,0	5,1
10	TK M4 080 07 079	A-5003-4802	-	8,0	62,5	7,0	79,0	4,5	75,0	6,2
11	TK M4 080 07 104	A-5000-7796	PS3-7C	8,0	87,5	7,0	104,0	4,5	100,0	6,6

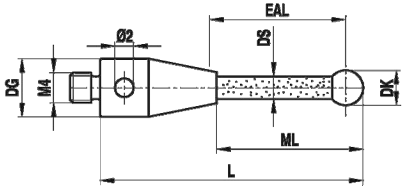
Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

* To be used with HI M4 000 15 015.

Ceramic styli with silicon nitride ball

Thread M4
Material Steel base, ceramic stem, silicon nitride ball



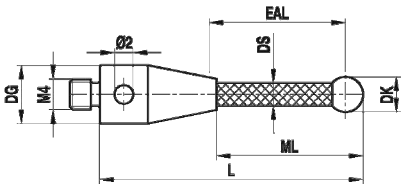
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M4 S60 07 053	-	-	6,0	36,5	7,0	53,0	4,5	36,0	4,7
2	TK M4 S60 07 103	-	-	6,0	86,5	7,0	103,0	4,5	86,0	6,7
3	TK M4 S80 07 054	-	-	8,0	37,5	7,0	54,0	4,5	50,0	5,1
4	TK M4 S80 07 104	-	-	8,0	87,5	7,0	104,0	4,5	100,0	6,6

Glued balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable

Thread M4
Material Steel base, carbon fibre stem, thermostable , ruby ball



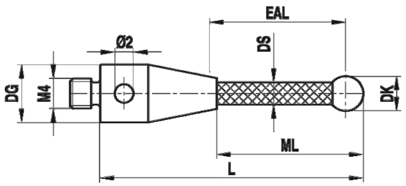
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M4 060 07 053	A-5003-1436	-	6,0	36,5	7,0	53,0	4,5	36,0	5,1
2	TC M4 060 07 103	A-5003-1358	-	6,0	86,5	7,0	103,0	4,5	86,0	6,2
3	TC M4 060 07 153	A-5003-1255	-	6,0	136,5	7,0	153,0	4,5	138,5	7,5
4	TC M4 060 07 203	A-5003-1075	-	6,0	186,5	7,0	203,0	4,5	186,0	8,7
5	TC M4 060 07 303	A-5003-4179	-	6,0	286,5	7,0	303,0	4,5	288,5	10,4

Peg mounted balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable with silicon nitride ball

Thread M4
Material Steel base, carbon fibre stem, thermostable, silicon nitride ball



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M4 S60 07 053	A-5003-5730	-	6,0	36,5	7,0	53,0	4,5	36,0	5,1
2	TC M4 S60 07 103	A-5003-5731	-	6,0	86,5	7,0	103,0	4,5	86,0	6,2
3	TC M4 S60 07 153	-	-	6,0	136,5	7,0	153,0	4,5	138,5	7,5
4	TC M4 S60 07 203	-	-	6,0	186,5	7,0	203,0	4,5	186,0	8,7
5	TC M4 S60 07 303	-	-	6,0	286,5	7,0	303,0	4,5	288,5	10,4

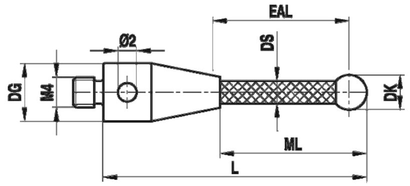
Peg mounted balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable with zirconium oxide ball

Thread M4

Material Steel base, carbon fibre stem, thermostable, zirconium oxide ball



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M4 Z60 07 053	A-5003-5744	-	6,0	36,5	7,0	53,0	4,5	36,0	5,1
2	TC M4 Z60 07 103	A-5003-5745	-	6,0	86,5	7,0	103,0	4,5	86,0	6,2
3	TC M4 Z60 07 153	-	-	6,0	136,5	7,0	153,0	4,5	138,5	7,5
4	TC M4 Z60 07 203	-	-	6,0	186,5	7,0	203,0	4,5	186,0	8,7
5	TC M4 Z60 07 303	-	-	6,0	286,5	7,0	303,0	4,5	288,5	10,4

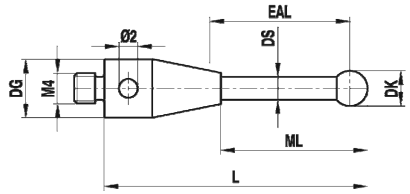
Glued balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Steel styli

Thread M4

Material Steel base and stem, ruby ball



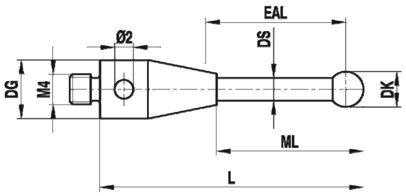
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M4 010 07 020	A-5000-7545	PS2-3R	1,0	4,5	7,0	20,0	0,7	4,0	2,5
2	TI M4 020 07 020	A-5000-7547	PS2-4R	2,0	9,0	7,0	20,0	1,3	8,0	2,3
3	TI M4 030 07 020	A-5000-7549	PS2-5R	3,0	14,5	7,0	20,0	2,0 - 3,0	13,0	2,0
4	TI M4 040 07 020	A-5000-7551	PS2-6R	4,0	15,0	7,0	20,0	3,0	13,0	2,1
5	TI M4 050 07 013	A-5003-3550	-	5,0	9,0	7,0	13,0	3,5	5,5	2,0
6	TI M4 050 07 020	A-5000-7553	PS2-7R	5,0	16,0	7,0	20,0	3,5	13,5	2,3
7	TI M4 050 07 022	A-5000-6731	PS2-22R	5,0	17,5	7,0	22,5	3,0	16,0	2,4
8	TI M4 050 07 032	A-5000-6352	-	5,0	27,5	7,0	32,5	3,0	26,0	3,0
9	TI M4 050 07 052	A-5000-7521	PS3-1R	5,0	35,5	7,0	52,5	4,5	33,0	5,8
10	TI M4 050 07 102	A-5000-7522	PS3-2R	5,0	85,5	7,0	102,5	4,5	83,0	11,3
11	TI M4 050 07 152	A-5000-7523	-	5,0	135,5	7,0	152,5	4,5	133,0	18,2
12	TI M4 060 07 020	A-5000-7555	PS2-8R	6,0	16,0	7,0	20,0	4,5	13,5	3,0
13	TI M4 080 07 020	A-5000-7557	PS2-9R	8,0	16,5	7,0	20,0	6,0	16,0	3,9

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Steel styli with silicon nitride ball

Thread M4
Material Steel base and stem, silicon nitride ball



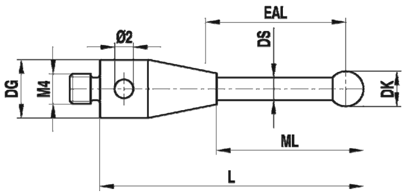
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M4 S10 07 020	-	-	1,0	4,5	7,0	20,0	0,7	4,0	2,5
2	TI M4 S20 07 020	A-5003-5728	-	2,0	9,0	7,0	20,0	1,3	8,0	2,3
3	TI M4 S30 07 020	-	-	3,0	14,5	7,0	20,0	2,0 - 3,0	13,0	2,0
4	TI M4 S40 07 020	A-5003-5729	-	4,0	15,0	7,0	20,0	3,0	13,0	2,1
5	TI M4 S50 07 020	-	-	5,0	16,0	7,0	20,0	3,5	13,5	2,3
6	TI M4 S50 07 022	-	-	5,0	17,5	7,0	22,5	3,0	16,0	2,4
7	TI M4 S50 07 052	-	-	5,0	35,5	7,0	52,5	4,5	33,0	5,8
8	TI M4 S50 07 102	-	-	5,0	85,5	7,0	102,5	4,5	83,0	11,3
9	TI M4 S60 07 020	-	-	6,0	16,0	7,0	20,0	4,5	13,5	3,0
10	TI M4 S80 07 020	-	-	8,0	16,5	7,0	20,0	6,0	16,0	3,9

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Steel styli with zriconium oxide ball

Thread M4
Material Steel base and stem, zirconium oxide ball



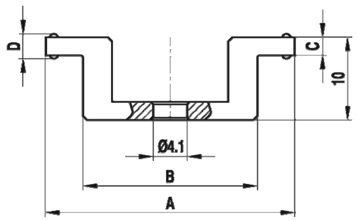
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M4 Z20 07 020	A-5003-5742	-	2,0	9,0	7,0	20,0	1,3	8,0	2,3
2	TI M4 Z40 07 020	A-5003-5743	-	4,0	15,0	7,0	20,0	3,0	13,0	2,1

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Disk styli with two hemispherical balls

Thread M4
Material Stainless steel



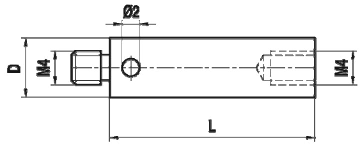
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	C D	L	DS1 DS	A B	Weight g
1	KI M4 022 30 021	A-5000-7596	-			2,2 / 3,0			21,0 / 30,0	8,0
2	KI M4 022 35 021	A-5000-7597	-			2,2 / 3,0			21,0 / 35,0	9,5
3	KI M4 030 50 023	A-5000-7598	-			3,0 / 4,0			23,0 / 50,0	13,5

Special designs on request.

Extension

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VI M4 000 07 010	M-5000-7583	SE-9			7,0	10,0			2,4
2	VI M4 000 07 015	M-5000-7584	SE-10			7,0	15,0			3,7
3	VI M4 000 07 020	M-5000-7585	SE-11			7,0	20,0			4,8
4	VI M4 000 07 030	M-5000-7586	SE-12			7,0	30,0			7,4

Thread M4
Material Stainless steel

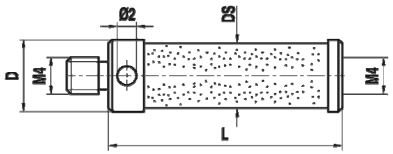


Special designs on request.

Extension

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VK M4 000 07 030	A-5000-7754	SE-19			7,5	30,0			5,1
2	VK M4 000 07 050	A-5000-7755	SE-20			7,5	50,0			6,7
3	VK M4 000 07 100	A-5000-7727	SE-30			7,5	100,0			10,6

Thread M4
Material Ceramic, stainless steel ends

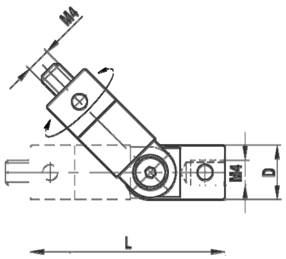


Special designs on request.

Rotary knuckle, slewing range 360°, swing range 180°

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	GI M4 000 09 033	A-5003-4689	-			9,0	33,0			9,8

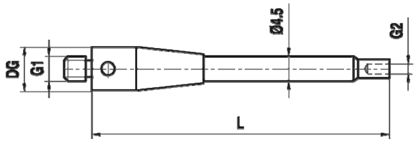
Thread M4
Material Stainless steel



Special designs on request.

Threaded adapter/extension

Thread M4
Material Stainless steel

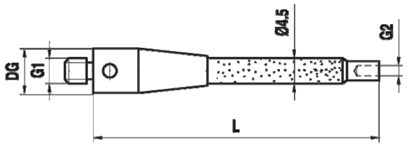


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	G1 G2	Weight g
1	RI M4 300 07 020	M-5000-6625	SE 21			7,0	20,0		M4/M3	3,2

Special designs on request.

Threaded adapter/extension

Thread M4
Material Stainless steel base, ceramic stem

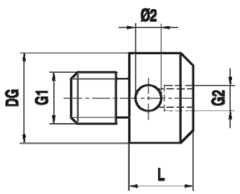


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	G1 G2	Weight g
1	RK M4 300 07 050	A-5000-7751	SE 22			7,0	50,0		M4/M3	4,4
2	RK M4 300 07 075	A-5000-7752	SE 23			7,0	75,0		M4/M3	5,2
3	RK M4 300 07 100	A-5000-7753	SE 24			7,0	100,0		M4/M3	6,3

Special designs on request.

Adapter

Thread M4
Material Stainless steel



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	G1 G2	Weight g
1	RI M4 000 07 005	M-5000-6622	SA5			7,0	5,0		M4/M2	1,5
2	RI M4 000 07 009	M-5000-6714	SA6			7,0	9,0		M4/M3	1,4
3	RT M4 500 11 010	A-5555-0228	-			11,0	10,0		M4/M5	5,2
4	RI M4 300 07 018	M-5000-8167	-			7,0	18,0		M4x0,5/M3	1,9

Special designs on request. RI M4 300 07 018 for Dea TF6.

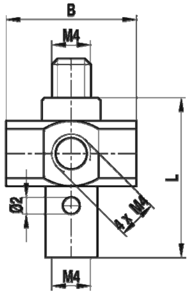
5-way holder, rotary

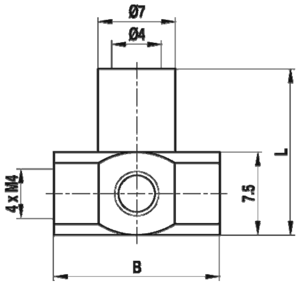
Thread M4
Material Stainless steel

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	HI M4 000 15 018	A-5000-7792	-				18,0		15,0	12,5
2	HI M4 000 15 015*	M-5000-6460	-				15,0		15,0	10,0

Special designs on request.

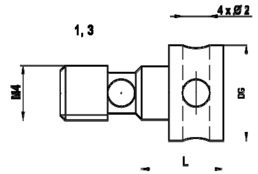
*To be used with TK M4 060 S7 053 & TK M4 060 S7 103.

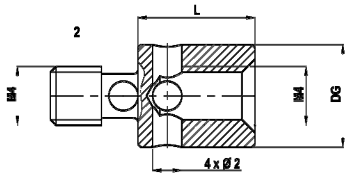


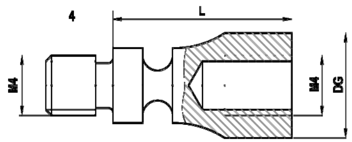


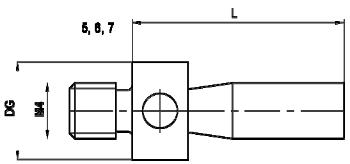
Crash protection device

Thread M4
Material Stainless steel







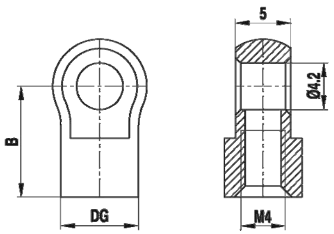


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	BI M4 000 07 006	M-5000-7587	-			7,0	6,0			1,4
2	BI M4 000 07 008	M-5000-7582	SA-8			7,0	8,0			1,8
3	BI M4 000 07 010	M-5000-7588	-			7,0	10,0			1,5
4	BI M4 000 07 012	M-2085-0069	-			7,0	12,0			2,7
5	BI M4 000 07 015	M-5003-5136	-			7,0	15,2			4,6
6	BI M4 000 07 009	M-2197-0156	-			7,0	9,0			1,5
7	BI M4 000 R7 016	M-2197-0150	-			7,0	16,0			2,1

Special designs on request.

Swivel adapter

Thread M4
Material Stainless steel



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	RI M4 000 07 014	M-5000-7591	-			7,0	14,25		10,0	2,8
2	RI M4 000 07 018	M-5000-7592	-			7,0	17,75		13,5	3,7

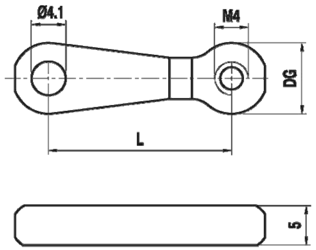
Special designs on request.

Stylus crank

Thread M4
Material Stainless steel

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	RI M4 000 07 022	M-5000-7589	-			7,0	22,0			1,5
2	RI M4 000 07 028	M-5000-7590	-			7,0	28,0			1,8

Special designs on request.

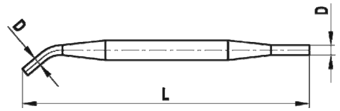


Pin-type wrench

Thread M4
Material Stainless steel

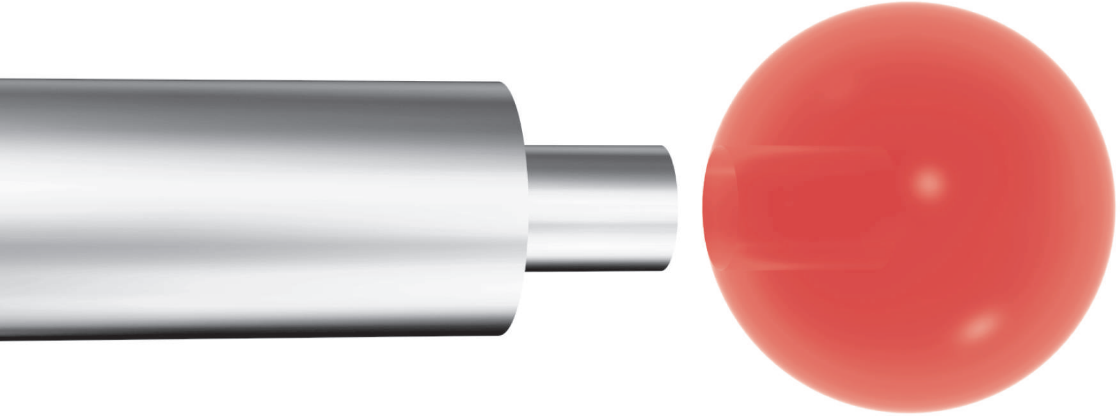
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	MI MO 017 00 049	M-5000-3707	-			1,7	49,0			

Special designs on request.



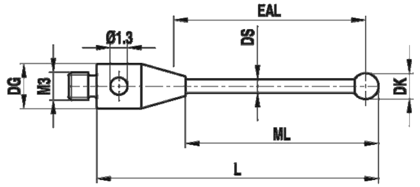
Renishaw Analogue

Technical details subject to change without notice.



Carbide styli

Thread M3
Material Steel base, carbide stem, ruby ball



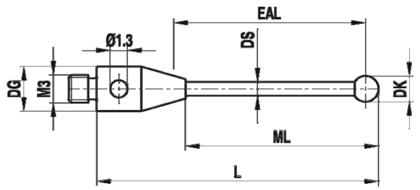
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M3 005 04 021	A-5000-7632	PS1-8R	0,5	2,5	4,0	21,25	0,4	2,0	1,0
2	TH M3 015 R4 022	A-5003-0050	PS1-17R	1,5	14,25	4,0	21,75	1,0	12,5	0,8
3	TH M3 015 04 031	A-5003-0051	PS1-19R	1,5	23,25	4,0	30,75	1,0	22,5	1,0
4	TH M3 020 04 031	A-5003-0052	PS1-20R	2,0	23,5	4,0	31,0	1,5	22,5	1,3
5	TH M3 020 04 041	A-5003-0053	PS1-23R	2,0	33,5	4,0	41,0	1,5	32,5	1,6
6	TH M3 025 04 022	A-5003-0054	PS1-18R	2,5	14,75	4,0	22,25	2,0	12,5	1,3
7	TH M3 025 04 031	A-5003-0055	PS1-21R	2,5	23,75	4,0	31,25	2,0	22,5	1,8
8	TH M3 025 04 041	A-5003-0056	PS1-24R	2,5	33,75	4,0	41,25	2,0	32,5	2,3
9	TH M3 030 04 031	A-5003-0057	PS1-22R	3,0	24,0	4,0	31,5	2,0	22,5	1,9
10	TH M3 030 04 041	A-5003-0058	PS1-25R	3,0	34,0	4,0	41,5	2,0	32,5	2,3
11	TH M3 030 04 051	A-5003-0059	PS1-28R	3,0	44,0	4,0	51,5	2,0	42,5	2,8
12	TH M3 040 04 042	A-5003-0060	PS1-26R	4,0	34,5	4,0	42,0	2,0	36,0	2,4
13	TH M3 040 04 052	A-5003-0061	PS1-29R	4,0	44,5	4,0	52,0	2,0	46,0	2,9
14	TH M3 050 04 042	A-5003-0062	PS1-27R	5,0	35,0	4,0	42,5	2,5	40,0	3,5
15	TH M3 050 04 052	A-5003-0063	PS1-30R	5,0	45,0	4,0	52,5	2,5	50,0	4,1

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbide styli with silicon nitride ball

Thread M3
Material Steel base, carbide stem, silicon nitride ball



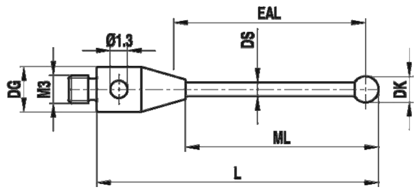
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M3 S15 R4 022	-	-	1,5	14,25	4,0	21,75	1,0	12,5	0,8
2	TH M3 S15 04 031	-	-	1,5	23,25	4,0	30,75	1,0	22,5	1,0
3	TH M3 S20 04 031	A-5003-5724	-	2,0	23,5	4,0	31,0	1,5	22,5	1,3
4	TH M3 S20 04 041	-	-	2,0	33,5	4,0	41,0	1,5	32,5	1,6
5	TH M3 S25 04 022	-	-	2,5	14,75	4,0	22,25	2,0	12,5	1,3
6	TH M3 S25 04 031	-	-	2,5	23,75	4,0	31,25	2,0	22,5	1,8
7	TH M3 S25 04 041	-	-	2,5	33,75	4,0	41,25	2,0	32,5	2,3
8	TH M3 S30 04 031	-	-	3,0	24,0	4,0	31,5	2,0	22,5	1,9
9	TH M3 S30 04 041	-	-	3,0	34,0	4,0	41,5	2,0	32,5	2,3
10	TH M3 S30 04 051	-	-	3,0	44,0	4,0	51,5	2,0	42,5	2,8
11	TH M3 S40 04 042	-	-	4,0	34,5	4,0	42,0	2,0	40,0	2,4
12	TH M3 S40 04 052	-	-	4,0	44,5	4,0	52,0	2,0	50,0	2,9
13	TH M3 S50 04 042	-	-	5,0	35,0	4,0	42,5	2,5	40,0	3,5
14	TH M3 S50 04 052	-	-	5,0	45,0	4,0	52,5	2,5	50,0	4,1

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli with zirconium oxide ball

Thread M3
Material Steel base, carbide stem, zirconium oxide ball



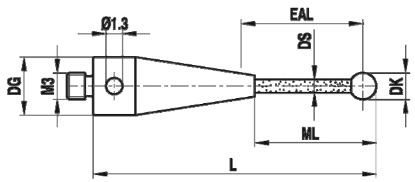
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M3 Z20 04 031	A-5003-5738	-	2,0	23,5	4,0	31,0	1,5	22,5	1,4

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli

Thread M3
Material Steel base, ceramic stem, ruby ball



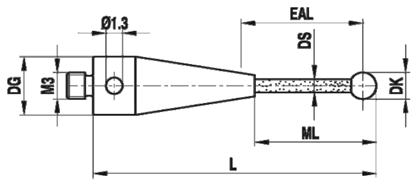
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M3 030 04 051	A-5003-0067	PS1-31R	3,0	44,0	4,0	51,5	2,0	42,5	1,2
2	TK M3 040 04 052	A-5003-0068	PS1-32R	4,0	44,5	4,0	52,0	2,0	46,0	1,3
3	TK M3 050 04 052	A-5003-0069	PS1-33R	5,0	45,0	4,0	52,5	2,5	50,0	1,4

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli with silicon nitride ball

Thread M3
Material Steel base, ceramic stem, silicon nitride ball



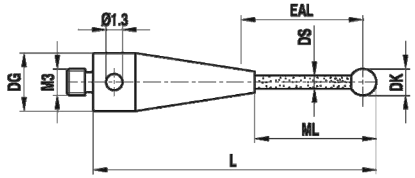
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M3 S30 04 051	-	-	3,0	44,0	4,0	51,5	2,0	42,5	1,2
2	TK M3 S40 04 052	A-5003-5725	-	4,0	44,5	4,0	52,0	2,0	46,0	1,3
3	TK M3 S50 04 052	-	-	5,0	45,0	4,0	52,5	2,5	50,0	1,4

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli with zirconium oxide ball

Thread M3
Material Steel base, ceramic stem, zirconium oxide ball



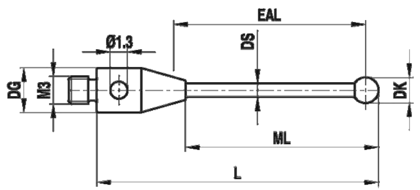
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M3 Z40 04 052	A-5003-5739	-	4,0	44,5	4,0	52,0	2,0	50,0	1,5

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Steel styli

Thread M3
Material Steel base and stem, ruby ball



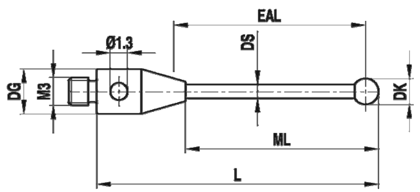
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M3 010 04 021	A-5000-3551	PS1-9R	1,0	4,5	4,0	21,5	0,7	4,0	1,0
2	TI M3 020 04 022	A-5000-3552	PS1-10R	2,0	9,0	4,0	22,0	1,5	8,0	1,0
3	TI M3 030 04 022	A-5000-3553	PS1-11R	3,0	13,5	4,0	22,5	1,5	12,0	1,0
4	TI M3 040 04 023	A-5000-7606	PS1-12R	4,0	13,0	4,0	23,0	2,5	17,2	1,3
5	TI M3 040 04 033	A-5000-3554	PS1-1R	4,0	23,0	4,0	33,0	2,5	27,0	2,5
6	TI M3 050 R4 023	A-5000-7630	PS1-13R	5,0	13,5	4,0	23,5	2,5	21,0	1,5
7	TI M3 050 R4 033	A-5000-7648	PS1-14R	5,0	33,5	4,0	33,5	3,5	31,0	3,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Steel styli with silicon nitride ball

Thread M3
Material Steel base and stem, silicon nitride ball



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M3 S10 04 021	-	-	1,0	4,5	4,0	21,5	0,7	4,0	1,0
2	TI M3 S20 04 022	A-5003-5723	-	2,0	9,0	4,0	22,0	1,5	8,0	1,0
3	TI M3 S30 04 022	-	-	3,0	13,5	4,0	22,5	1,5	12,0	1,0
4	TI M3 S40 04 023	A-5003-5061	-	4,0	13,0	4,0	23,0	2,5	17,2	1,3
5	TI M3 S40 04 033	-	-	4,0	23,0	4,0	33,0	2,5	27,0	2,5
6	TI M3 S50 R4 023	-	-	5,0	13,5	4,0	23,5	2,5	21,0	1,5
7	TI M3 S50 R4 033	-	-	5,0	33,5	4,0	33,5	3,5	31,0	3,0

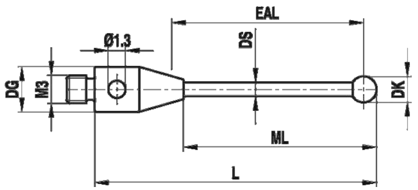
Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Steel styli with zirconium oxide ball

Thread M3

Material Steel base and stem, zirconium oxide ball



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M3 Z20 04 022	A-5003-5736	-	2,0	9,0	4,0	22,0	1,5	8,0	1,0
2	TI M3 Z40 04 023	A-5003-5737	-	4,0	13,0	4,0	23,0	2,5	17,2	1,6

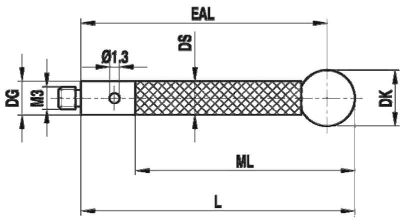
Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable

Thread M3

Material Steel base, carbon fibre stem, thermostable , ruby ball



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M3 060 04 078	A-5003-4860	-	6,0	68,0	4,0	78,0	4,0	75,0	2,4
2	TC M3 060 04 103	A-5003-4861	-	6,0	93,0	4,0	103,0	4,0	100,0	2,9
3	TC M3 080 04 079	A-5003-4862	-	8,0	69,0	4,0	79,0	4,0	75,0	3,0
4	TC M3 080 04 104	A-5003-4863	-	8,0	94,0	4,0	104,0	4,0	100,0	3,5
5	TC M3 100 04 080	A-5003-7057	-	10,0	70,0	4,0	80,0	4,0	75,0	4,1
6	TC M3 100 04 105	A-5003-7056	-	10,0	95,0	4,0	105,0	4,0	100,0	4,6
7	TC M3 100 04 155	A-5003-7055	-	10,0	143,5	4,0	155,0	4,0	150,0	5,5
8	TC M3 100 04 205	A-5003-7054	-	10,0	193,5	4,0	205,0	4,0	200,0	6,5
9	TC M3 120 04 106	A-5003-7445	-	12,0	96,0	4,0	106,0	4,0	100,0	5,9
10	TC M3 120 04 156	A-5003-7446	-	12,0	144,5	4,0	156,0	4,0	150,0	6,9
11	TC M3 120 04 206	A-5003-7447	-	12,0	194,5	4,0	206,0	4,0	200,0	7,9

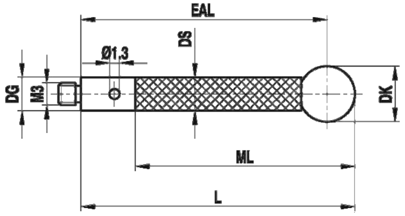
Peg mounted balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable with silicon nitride balls

Thread M3
Material Steel base, carbon fibre stem, thermostable, silicon nitride ball

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M3 S60 04 078	A-5003-5726	-	6,0	68,0	4,0	78,0	4,0	75,0	2,4
2	TC M3 S60 04 103	A-5003-5727	-	6,0	93,0	4,0	103,0	4,0	100,0	2,9
3	TC M3 S80 04 079	-	-	8,0	69,0	4,0	79,0	4,0	75,0	3,0
4	TC M3 S80 04 104	-	-	8,0	94,0	4,0	104,0	4,0	100,0	3,5



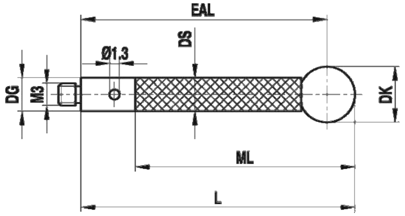
Peg mounted balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable with zirconium oxide ball

Thread M3
Material Steel base, carbon fibre stem, thermostable, zirconium oxide ball

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M3 Z60 04 078	A-5003-5740	-	6,0	68,0	4,0	78,0	4,0	75,0	3,4
2	TC M3 Z60 04 103	A-5003-5741	-	6,0	93,0	4,0	103,0	4,0	100,0	3,9
3	TC M3 Z80 04 079	-	-	8,0	69,0	4,0	79,0	4,0	75,0	3,5
4	TC M3 Z80 04 104	-	-	8,0	94,0	4,0	104,0	4,0	100,0	4,0



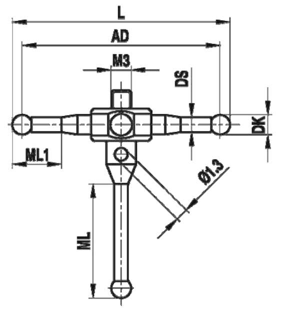
Peg mounted balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Star styli

Thread M3

Material Steel cube base and stems, ruby balls



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	AD	Weight g
1	SI M3 020 07 032	A-5003-0076	PS1-34R	2,0	9,5 / 12,5	7,0	32,0	1,4	30,0	3,0
2	SI M3 020 07 052	A-5003-0077	PS1-35R	2,0	12,0 / 12,0	7,0	52,0	1,4	50,0	5,3

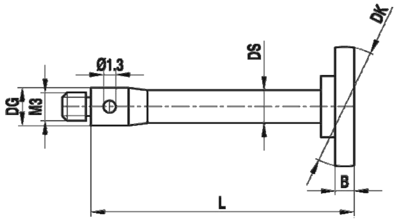
Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Spherical disk styli

Thread M3

Material Stainless steel base and stem, high-strength steel disk



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KI M3 127 04 032	A-5000-3615	PS1-3R	12,7		4,0	32,0	3,5	2,3	4,0

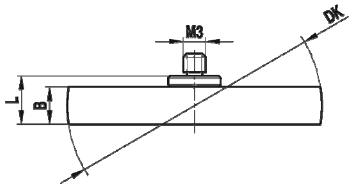
Special designs on request.

Spherical disk styli

Thread M3
Material Steel base, high-strength steel disk

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KI M3 050 35 M30	A-5000-7612	PS1-5R	35,0			7,0		5,0	10,0
2	KI M3 060 63 M30	A-5000-7669	PS1-15R	63,5			7,5		6,0	45,0

Special designs on request.

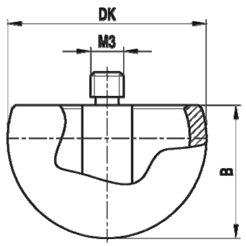


Hollow ceramic hemisphere

Thread M3
Material Steel base, hollow ceramic hemisphere

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	HK M3 180 04 012	-	-	18,0					12,0	3,3
2	HK M3 300 04 018	A-5000-7814	PS1-16R	30,0					18,0	18,0

Special designs on request.

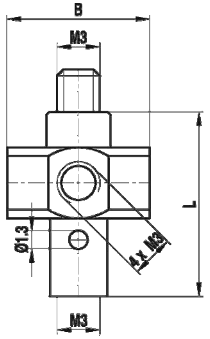


5-way holder, rotary

Thread M3
Material Stainless steel

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	HI M3 000 10 013	A-5000-7610	SC4				13,0		10,0	3,6

Special designs on request.

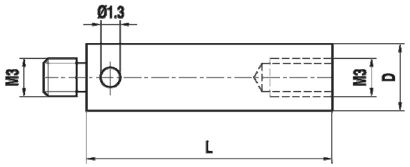


Extension

Thread M3
Material Stainless steel

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VI M3 000 04 010	M-5000-7633	SE8			4,0	10,0			0,9
2	VI M3 000 04 020	M-5000-3592	SE2			4,0	20,0			1,6
3	VI M3 000 04 035	M-5000-3593	SE3			4,0	35,0			2,9

Special designs on request.

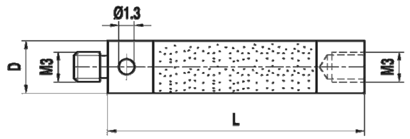


Extension

Thread M3
Material Ceramic, stainless steel ends

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VK M3 000 04 030	-	-			4,0	30,0			2,0
2	VK M3 000 04 040	-	-			4,0	40,0			2,5
3	VK M3 000 04 050	A-5003-0075	SE29			4,0	50,0			3,0
4	VK M3 000 04 060	-	-			4,0	60,0			3,5

Special designs on request.



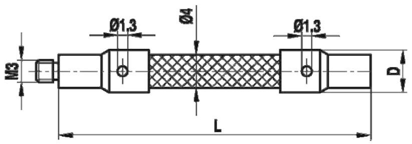
Extension

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VC M3 000 04 075	A-5003-4864	-			6,0	75,0			2,5
2	VC M3 000 04 100	A-5003-4865	-			6,0	100,0			3,0

Thread M3
Material Black carbon fibre, stainless steel ends

Special designs on request.

Carbon fibre made of high tech fibres used in aerospace technology. E-module of approximately 450 GPa.

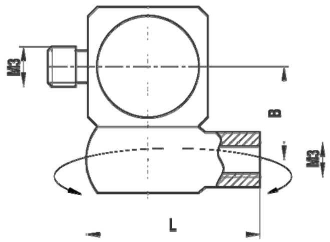


Rotary adapter

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	DI M3 000 06 012	A-5000-7616	SK3				12,0		6,0	3,6

Thread M3
Material Stainless steel

Special designs on request.

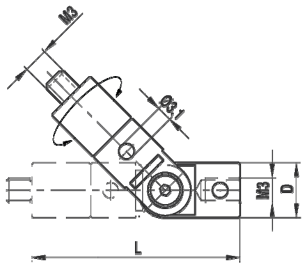


Rotary knuckle, slewing range 360°, swing range 180°

Thread M3
Material Stainless steel

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	GI M3 000 04 017	A-5003-4686	-			4,0	17,0			1,5

Special designs on request.

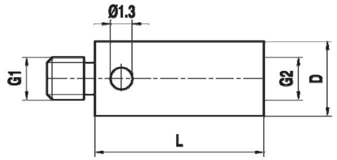


Adapter

Thread M3/M2
Material Stainless steel

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DGD	L	DS1 DS	G1G2	Weight g
1	RI M3 000 04 005	M-5000-4163	SA3			4,0	5,0		M3/M2	0,5
2	RI M2 000 04 005	-	-			4,0	5,0		M2/M3	0,5
3	RI M2 000 04 007	M-5000-4164	SA2			4,0	7,0		M2/M3	0,5

Special designs on request.

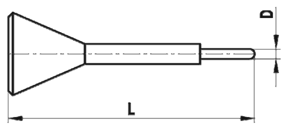


Pin tool

Thread M2/M3
Material Stainless steel

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	MI MO 012 00 023	M-5000-3540	-			1,2	23,0			

Special designs on request.

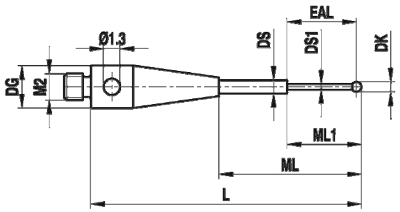


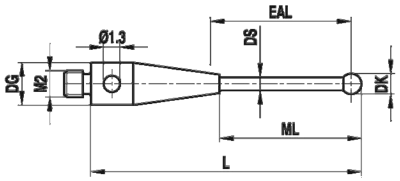
Renishaw Analogue

Technical details subject to change without notice.

Carbide styli

Thread M2
Material Steel base, carbide stem, ruby ball





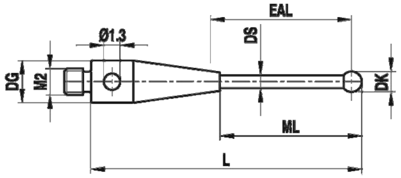
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M2 002 03 010	-	-	0,2	2,3/4,15	3,0	10,15	0,18/1,0	2,3	0,3
2	TH M2 0025 03 010	-	-	0,25	2,3/4,15	3,0	10,15	0,18/1,0	2,3	0,3
3	TH M2 003 03 010	A-5000-7800	PS29R	0,3	2,15/4,15	3,0	10,15	0,2/0,7	2,0	0,3
4	TH M2 005 03 010	A-5000-7805	PS10R	0,5	3,25/4,25	3,0	10,25	0,4/0,7	3,0	0,3
5	TH M2 005 03 020	A-5003-1345	-	0,5	7,25	3,0	20,25	0,3	7,0	0,3
6	TH M2 007 03 010	A-5000-7801	PS31R	0,7	4,35	3,0	10,35	0,5	4,0	0,3
7	TH M2 007 03 020	A-5003-0577	-	0,7	12,35	3,0	20,35	0,5	12,0	0,3
8	TH M2 010 R3 010	A-5003-1325	-	1,0	4,5	3,0	10,5	0,7	4,0	0,3
9	TH M2 010 03 020	A-5000-7808	PS23R	1,0	7,5	3,0	20,5	0,7	7,0	0,6
10	TH M2 010 03 021	A-5003-0033	PS48R	1,0	13,0	3,0	20,5	0,8	12,5	0,4
11	TH M2 010 03 027	A-5000-8663	PS51R	1,0	20,5	3,0	27,5	0,7	20,5	0,4
12	TH M2 015 03 021	A-5003-0034	PS49R	1,5	13,25	3,0	20,75	1,0	12,5	0,5
13	TH M2 015 03 031	A-5003-0035	PS52R	1,5	23,25	3,0	30,75	1,0	22,5	0,6
14	TH M2 020 R3 021	A-5003-3822	-	2,0	13,0	3,0	21,0	1,0	12,0	0,5
15	TH M2 020 03 031	A-5003-0036	PS53R	2,0	23,5	3,0	31,0	1,5	22,5	1,0
16	TH M2 020 03 041	A-5003-0037	PS58R	2,0	33,5	3,0	41,0	1,5	35,0	1,3
17	TH M2 025 03 021	A-5003-1896	-	2,5	13,75	3,0	21,25	1,0	15,5	0,5
18	TH M2 025 03 031	A-5003-0038	PS54R	2,5	23,75	3,0	31,25	2,0	25,0	1,5
19	TH M2 025 03 041	A-5003-0039	PS59R	2,5	33,75	3,0	41,25	2,0	35,0	2,0
20	TH M2 030 03 021	A-5003-0938	-	3,0	15,5	3,0	21,5	1,5	20,0	0,8
21	TH M2 030 03 032	A-5003-0040	PS55R	3,0	24,0	3,0	31,5	2,0	25,0	1,5
22	TH M2 030 03 042	A-5003-0041	PS60R	3,0	34,0	3,0	41,5	2,0	35,0	2,0
23	TH M2 030 03 051	A-5003-0042	PS63R	3,0	44,0	3,0	51,5	2,0	42,5	2,5
24	TH M2 040 03 024	A-5003-1029	-	4,0	17,0	3,0	24,0	2,0	22,0	1,2
25	TH M2 040 03 032	A-5003-0043	PS56R	4,0	24,5	3,0	32,0	2,0	30,0	1,6
26	TH M2 040 03 042	A-5003-0044	PS61R	4,0	34,5	3,0	42,0	2,0	40,0	2,1
27	TH M2 040 03 052	A-5003-0045	PS64R	4,0	44,5	3,0	52,0	2,0	50,0	2,5
28	TH M2 050 03 022	A-5003-0046	PS50R	5,0	16,5	3,0	22,5	2,0	20,0	2,0
29	TH M2 050 03 032	A-5003-0047	PS57R	5,0	25,0	3,0	32,5	2,5	30,0	2,6
30	TH M2 050 03 042	A-5003-0048	PS62R	5,0	35,0	3,0	42,5	2,5	40,0	3,2
31	TH M2 050 03 052	A-5003-0049	PS65R	5,0	45,0	3,0	52,5	2,5	50,0	3,8

Peg mounted balls, except for ball-O 0,2 - 0,3 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbide styli with silicon nitride ball

Thread M2
Material Steel base, carbide stem, silicon nitride ball



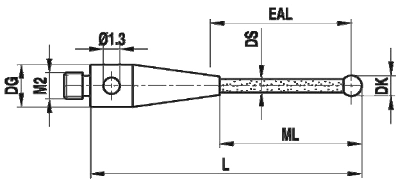
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M2 S10 03 020	-	-	1,0	7,5	3,0	20,5	0,7	7,0	0,6
2	TH M2 S10 03 021	-	-	1,0	13,0	3,0	20,5	0,8	12,5	0,4
3	TH M2 S10 03 027	-	-	1,0	20,5	3,0	27,5	0,7	20,5	0,4
4	TH M2 S15 03 021	-	-	1,5	13,25	3,0	20,75	1,0	15,0	0,5
5	TH M2 S15 03 031	-	-	1,5	23,25	3,0	30,75	1,0	25,0	0,6
6	TH M2 S20 03 031	-	-	2,0	23,5	3,0	31,0	1,5	25,0	1,0
7	TH M2 S20 03 041	-	-	2,0	33,5	3,0	41,0	1,5	35,0	1,3
8	TH M2 S25 03 031	-	-	2,5	23,75	3,0	31,25	2,0	25,0	1,5
9	TH M2 S25 03 041	-	-	2,5	33,75	3,0	41,25	2,0	35,0	2,0
10	TH M2 S30 03 032	-	-	3,0	24,0	3,0	31,5	2,0	25,0	1,5
11	TH M2 S30 03 042	-	-	3,0	34,0	3,0	41,5	2,0	35,0	2,0
12	TH M2 S30 03 051	-	-	3,0	44,0	3,0	51,5	2,0	42,5	2,5
13	TH M2 S40 03 032	-	-	4,0	24,5	3,0	32,0	2,0	30,0	1,6
14	TH M2 S40 03 042	-	-	4,0	34,5	3,0	42,0	2,0	40,0	2,1
15	TH M2 S40 03 052	-	-	4,0	44,5	3,0	52,0	2,0	50,0	2,5
16	TH M2 S50 03 022	-	-	5,0	16,5	3,0	22,5	2,0	20,0	2,0
17	TH M2 S50 03 032	-	-	5,0	25,0	3,0	32,5	2,5	30,0	2,6
18	TH M2 S50 03 042	-	-	5,0	35,0	3,0	42,5	2,5	40,0	3,2
19	TH M2 S50 03 052	-	-	5,0	45,0	3,0	52,5	2,5	50,0	3,8

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli

Thread M2
Material Steel base, ceramic stem, ruby ball



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M2 030 03 031	A-5003-4177	-	3,0	24,0	3,0	31,5	2,0	27,5	0,4
2	TK M2 030 03 051	A-5003-0064	PS66R	3,0	44,0	3,0	51,5	2,0	42,5	0,8
3	TK M2 040 03 032	A-5003-1370	-	4,0	24,5	3,0	32,0	2,0	30,0	0,7
4	TK M2 040 03 052	A-5003-0065	PS67R	4,0	44,5	3,0	52,0	2,0	50,0	0,9
5	TK M2 050 03 032	A-5003-4779	-	5,0	25,0	3,0	32,5	2,5	30,0	0,9
6	TK M2 050 03 053	A-5003-0066	PS68R	5,0	45,0	3,0	52,5	2,5	50,0	1,0
7	TK M2 060 03 033	A-5003-4780	-	6,0	25,5	3,0	33,0	2,5	30,0	1,1
8	TK M2 060 03 053	A-5003-0470	-	6,0	45,5	3,0	53,0	2,5	50,0	1,5

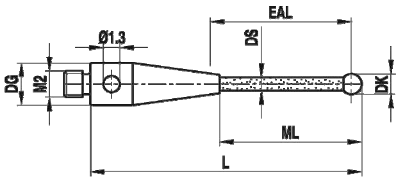
Peg mounted balls. Special designs on request..

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli with silicon nitride ball

Thread M2
Material Steel base, ceramic stem, silicon nitride ball

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TK M2 S30 03 051	-	-	3,0	44,0	3,0	51,5	2,0	42,5	0,8
2	TK M2 S40 03 052	-	-	4,0	44,5	3,0	52,0	2,0	50,0	0,9
3	TK M2 S50 03 053	-	-	5,0	45,0	3,0	52,5	2,5	50,0	1,0



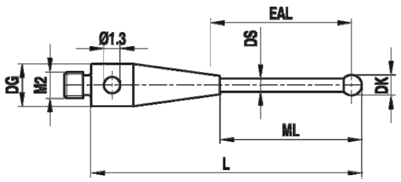
Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Steel styli

Thread M2
Material Steel base and stem, ruby ball

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TI M2 010 03 010	A-5000-7806	PS9R	1,0	5,0	3,0	10,5	0,7	4,5	0,3
2	TI M2 015 03 011	A-5000-7802	PS24R	1,5	5,0	3,0	10,75	0,7	4,5	0,3
3	TI M2 020 03 011	A-5000-7807	PS8R	2,0	6,0	3,0	11,0	1,0	6,0	0,3
4	TI M2 020 03 021	A-5000-3603	PS2R	2,0	14,5	3,0	21,0	1,4	14,0	0,4
5	TI M2 025 03 011	A-5000-7803	PS26R	2,5	6,5	3,0	11,25	1,0	6,0	0,3
6	TI M2 025 03 021	A-5000-7804	PS27R	2,5	15,0	3,0	21,25	1,4	14,0	0,4
7	TI M2 030 03 011	A-5000-3604	PS1R	3,0	6,0	3,0	11,5	1,5	7,5	0,4
8	TI M2 030 03 021	A-5000-4160	PS16R	3,0	15,0	3,0	21,5	1,5	17,5	0,5
9	TI M2 040 03 012	A-5000-4154	PS12R	4,0	7,0	3,0	12,0	1,5	10,0	0,4
10	TI M2 040 03 022	A-5000-4161	PS17R	4,0	15,0	3,0	22,0	1,5	20,0	0,6
11	TI M2 050 03 012	A-5000-4155	PS13R	5,0	8,5	3,0	12,5	2,5	10,0	0,7
12	TI M2 060 R3 013	A-5000-4156	PS14R	6,0	9,0	3,0	13,0	2,5	10,0	0,9
13	TI M2 080 03 015	A-5000-4158	PS15R	8,0	11,0	3,0	15,0	2,5	11,0	1,5

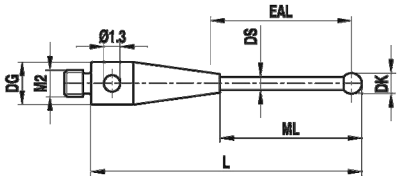


Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Steel styli with silicon nitride ball

Thread M2
Material Steel base and stem, silicon nitride ball



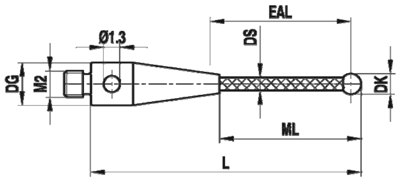
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL	Weight g
1	TI M2 S10 03 010	-	-	1,0	5,0	3,0	10,5	0,7	4,5	0,3
2	TI M2 S15 03 011	-	-	1,5	5,0	3,0	10,75	0,7	4,5	0,3
3	TI M2 S20 03 011	-	-	2,0	6,0	3,0	11,0	1,0	6,0	0,3
4	TI M2 S20 03 021	-	-	2,0	14,5	3,0	21,0	1,4	14,0	0,4
5	TI M2 S25 03 011	-	-	2,5	6,5	3,0	11,25	1,0	6,0	0,3
6	TI M2 S25 03 021	-	-	2,5	15,0	3,0	21,25	1,4	14,0	0,4
7	TI M2 S30 03 011	-	-	3,0	6,0	3,0	11,5	1,5	7,5	0,4
8	TI M2 S30 03 021	-	-	3,0	15,0	3,0	21,5	1,5	17,5	0,5
9	TI M2 S40 03 012	-	-	4,0	7,0	3,0	12,0	1,5	10,0	0,4
10	TI M2 S40 03 022	-	-	4,0	15,0	3,0	22,0	1,5	20,0	0,6
11	TI M2 S50 03 012	-	-	5,0	8,5	3,0	12,5	2,5	10,0	0,7
12	TI M2 S60 R3 013	-	-	6,0	9,0	3,0	13,0	2,5	10,0	0,9
13	TI M2 S80 03 015	-	-	8,0	11,0	3,0	15,0	2,5	11,0	1,5

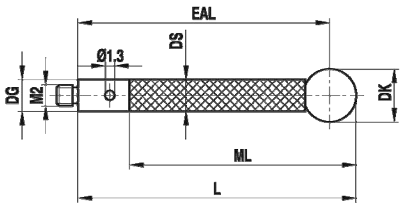
Glued balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbon fibre styli, thermostable

Thread M2
Material Steel base, carbon fibre stem, thermostable, ruby ball





Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M2 030 03 031	A-5003-3584	-	3,0	24,0	3,0	31,5	2,0	27,0	0,4
2	TC M2 030 03 041	A-5003-3877	-	3,0	34,0	3,0	41,5	2,0	36,0	0,5
3	TC M2 040 03 032	A-5003-4241	-	4,0	24,0	3,0	32,0	2,0	30,0	0,6
4	TC M2 040 03 052	A-5003-2285	GF504	4,0	44,0	3,0	52,0	3,0	50,0	1,0
5	TC M2 040 03 077	A-5003-4784	-	4,0	69,0	3,0	77,0	3,0	75,0	0,8
6	TC M2 040 03 102	A-5003-2289	-	4,0	92,0	3,0	102,0	3,0	100,0	1,5
7	TC M2 050 03 032	A-5003-4781	-	5,0	25,0	3,0	32,5	3,0	30,0	0,8
8	TC M2 050 03 052	A-5003-2286	GF505	5,0	44,5	3,0	52,5	3,0	50,0	1,1
9	TC M2 050 03 077	A-5003-4785	-	5,0	70,0	3,0	77,5	3,0	75,0	1,3
10	TC M2 050 03 102	A-5003-2290	-	5,0	92,5	3,0	102,5	3,0	100,0	1,6
11	TC M2 060 03 033	A-5003-4782	-	6,0	25,5	3,0	33,0	3,0	30,0	1,0
12	TC M2 060 03 053	A-5003-2287	GF506	6,0	45,0	3,0	53,0	3,0	50,0	1,2
13	TC M2 060 03 078	A-5003-4786	-	6,0	70,0	3,0	78,0	3,0	75,0	1,5
14	TC M2 060 03 103	A-5003-2291	-	6,0	93,0	3,0	103,0	3,0	100,0	1,8

Peg mounted balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

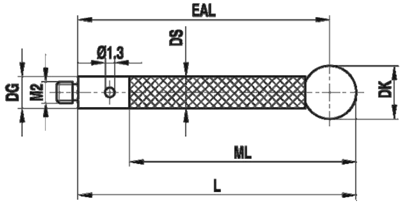
Carbon fibre styli, thermostable with silicon nitride ball

Thread M2
Material Steel base, carbon fibre stem, thermostable, silicon nitride ball

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TC M2 S40 03 052	-	-	4,0	44,0	3,0	52,0	3,0	50,0	1,0
2	TC M2 S50 03 052	-	-	5,0	44,5	3,0	52,5	3,0	50,0	1,1
3	TC M2 S60 03 053	-	-	6,0	45,0	3,0	53,0	3,0	50,0	1,2

Peg mounted balls. Thermostable carbon fibre, E-module > 450 GPa. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.



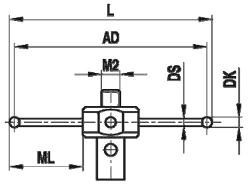
Star styli

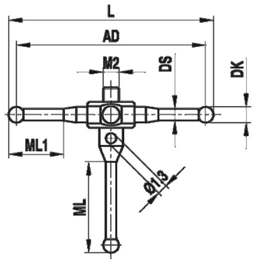
Thread M2
Material Steel cube base and stems, ruby balls

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	AD	Weight g
1	SI M2 005 05 010 *	A-5003-4011	-	0,5	2,75	5,0	10,5	0,3	10,0	0,7
2	SI M2 005 05 020 *	A-5003-4787	-	0,5	7,75	5,0	20,5	0,3	20,0	0,7
3	SI M2 010 05 011 *	A-5000-7811	PS28R	1,0	3,0	5,0	11,0	0,7	10,0	0,8
4	SI M2 010 05 021 *	A-5003-4788	-	1,0	8,0	5,0	21,0	0,7	20,0	0,9
5	SI M2 020 05 022 **	A-5000-7629	PS6R	2,0	4,5 / 13,5	5,5	22,0	1,4	20,0	1,3
6	SI M2 020 05 032 **	A-5000-3626	PS7R	2,0	9,5 / 13,5	5,5	32,0	1,4	30,0	1,8

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.





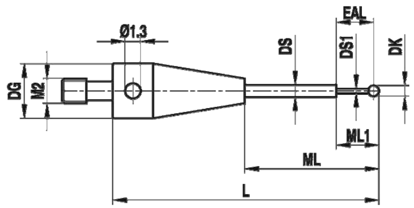
Styli for star configuration

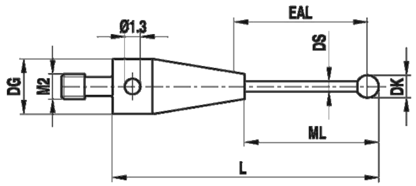
Thread M2
Material Steel base, carbide stem, ruby ball

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M2 005 03 019	A-5003-4790	-	0,5	7,0 / 11,5	3,0	19,0	0,4 / 0,7	7,0	0,4
2	TH M2 010 03 009	A-5003-4789	-	1,0	4,5	3,0	9,5	0,7	4,0	0,3
3	TH M2 010 03 019	A-5003-4791	-	1,0	11,5	3,0	19,0	0,7	11,0	0,5
4	TH M2 020 03 017	A-5000-3609	-	2,0	12,0	3,0	17,5	1,4	12,0	0,4

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.



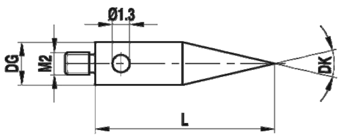


Pointer styli

Thread M2
Material Steel base and stem

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	II M2 030 03 015	M-5000-4150	PS20R	30°	-	3,0	15,0	3,0	-	0,7

Special designs on request.

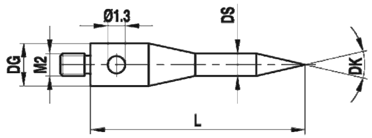


Pointer styli

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	IH M2 030 03 010	A-5000-7813	PS36R	30°	-	3,0	10,0	1,5	-	1,0

Thread M2
Material Steel base, carbide stem

Special designs on request.

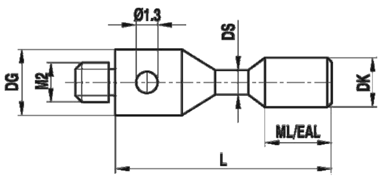


Cylinder styli

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	ZH M2 015 03 011	M-5000-4152	PS18R	1,5	1,5	3,0	11,0	1,0	1,5	0,3
2	ZH M2 030 03 013	M-5000-4153	PS19R	3,0	4,0	3,0	13,0	1,5	4,0	0,6

Thread M2
Material Steel base, carbide stem and cylinder

Special designs on request.

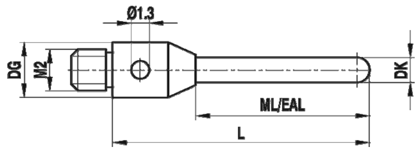


Cylinder styli

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	ZH M2 015 03 016	A-5003-1219	-	1,5	8,3	3,0	15,8	-	8,3	0,7
2	ZH M2 020 03 016	A-5003-1228	-	2,0	8,5	3,0	16,0	-	8,5	0,8
3	ZH M2 020 03 040	A-5003-0074	PS7OR	2,0	32,0	3,0	40,0	-	32,0	2,0
4	ZH M2 020 03 A40	A-5003-3545	-	2,0	7,0	3,0	40,0	-	7,0	1,9
5	ZH M2 030 03 022	A-5003-1258	-	3,0	22,5	3,0	22,5	-	22,5	2,0

Thread M2
Material Steel base, carbide cylinder

Special designs on request.

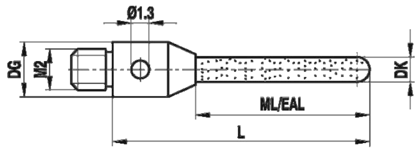


Cylinder styli

Thread M2
Material Steel base, ceramic cylinder

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	ZR M2 010 03 015	A-5000-8876	PS44R	1,0	8,0	3,0	15,0	-	8,0	0,3
2	ZR M2 015 03 015	A-5000-8877	PS45R	1,5	8,0	3,0	15,0	-	8,0	0,3

Special designs on request.

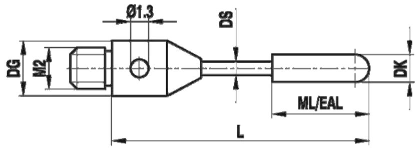


Cylinder styli

Thread M2
Material Steel base, carbide stem, ruby cylinder

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	ZR M2 020 03 020	A-5000-7812	PS35R	2,0	7,0	3,0	20,0	1,5	7,0	0,5
2	ZR M2 040 03 022	A-5003-0073	PS69R	4,0	10,5	3,0	22,0	2,0	10,5	0,9

Special designs on request.

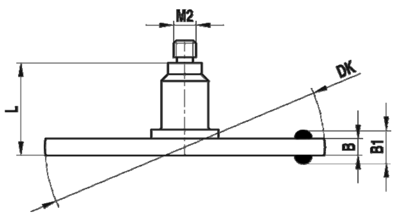


Spherical disk styli with two hemispherical rubies

Thread M2
Material Steel base, high-strength steel disk

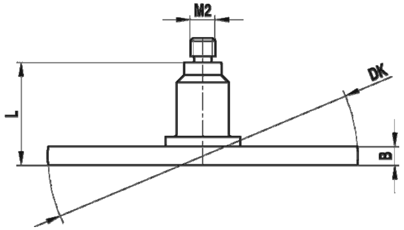
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	B B1	Weight g
1	KI M2 015 18 M20	A-5000-7809	PS33R	18,0			8,25	3,0	1,5 / 2,5	3,0
2	KI M2 015 25 M20	A-5000-7810	PS34R	25,0			8,25	3,0	1,5 / 2,5	4,0
3	KI M2 022 18 M20	A-5000-3613	PS4R	18,0			3,7	-	2,2 / 3,0	2,7
4	KI M2 015 18 008	-	-	18,0			8,25	3,0	1,5/2,0	3,5
5	KI M2 030 18 004	-	-	18,0			4,0	3,0	3,0/4,0	3,8
6	KI M2 015 25 008	-	-	25,0			8,25	3,0	1,5/2,0	4,0
7	KI M2 030 25 004	-	-	25,0			4,0	3,0	3,0/4,0	4,5

Special designs on request.



Spherical disk styli

Thread M2
Material Steel base, high-strength steel disk

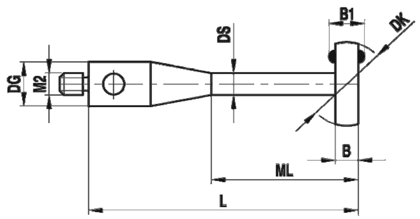


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KI M2 030 25 M20	A-5000-4187	PS22R	25,0		-	4,0		3,0	11,4
2	KI M2 005 18 002	-	-	18,0		3,0	2,0		0,5	2,5
3	KI M2 008 18 002	-	-	18,0		3,0	2,0		0,8	2,6

Special designs on request.

Spherical disk styli with two hemispherical balls

Thread M2
Material Steel base and stem, disk see below chart

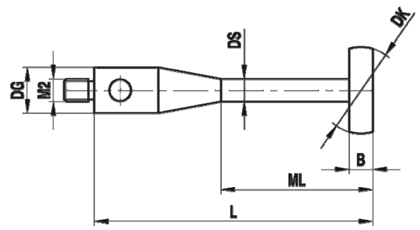


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	B1 B	Weight g
1	KR M2 060 03 010	A-5000-3611	PS3R	6,0		3,0	10,5	2,0	2,0/1,2	0,6
2	KI M2 060 03 010	-	-	6,0	6,0	3,0	10,7	2,0	2,0/1,5	1,0

Special designs on request. Ball material: R = Ruby, I = high-strength steel

Spherical disk styli

Thread M2
Material Steel base, high-strength steel disk

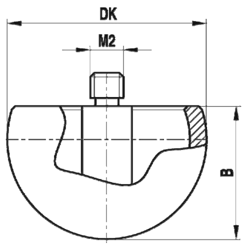


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KI M2 050 03 015	-	-	5,0	11,0	3,0	15,0	1,5	0,5	0,8
2	KI M2 060 03 010/0,8	-	-	6,0	6,0	3,0	10,0	2,0	0,8	0,8
3	KI M2 080 03 020	-	-	8,0	14,0	3,0	20,0	2,0	0,5	1,1
4	KI M2 100 03 020	-	-	10,0	14,0	3,0	20,0	2,0	0,5	1,2
5	KI M2 100 03 020/0,8	-	-	10,0	14,0	3,0	20,0	2,0	0,8	1,2
6	KI M2 120 03 020	-	-	12,0	14,0	3,0	20,0	2,0	0,8	1,3

Special designs on request.

Hollow ceramic hemisphere

Thread M2
Material Steel base, hollow ceramic hemisphere

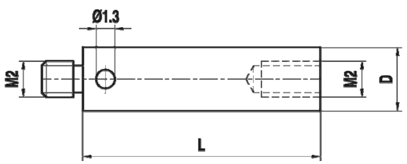


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	HK M2 180 03 012	A-5000-3614	PS21R	18,0					12,0	3,3
2	HK M2 300 03 018	-	-	30,0					18,0	18,0

Special designs on request.

Extension

Thread M2
Material Stainless steel

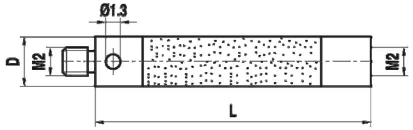


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VI M2 000 03 005	M-5000-7634	SE7			3,0	5,0			0,2
2	VI M2 000 03 010	M-5000-3647	SE4			3,0	10,0			0,4
3	VI M2 000 03 020	M-5000-3648	SE5			3,0	20,0			0,9
4	VI M2 000 03 030	M-5000-4162	SE6			3,0	30,0			1,4
5	VI M2 000 03 040	M-5000-7779	SE18			3,0	40,0			1,8

Special designs on request.

Extension

Thread M2
Material Ceramic, stainless steel ends

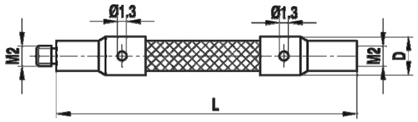


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VK M2 000 03 030	A-5003-0070	SE26			3,0	30,0			1,0
2	VK M2 000 03 040	A-5003-0071	SE27			3,0	40,0			1,3
3	VK M2 000 03 050	A-5003-0072	SE28			3,0	50,0			1,5
4	VK M2 000 03 060	-	-			3,0	60,0			1,7

Special designs on request.

Extension

Thread M2
Material Black carbon fibre, stainless steel ends



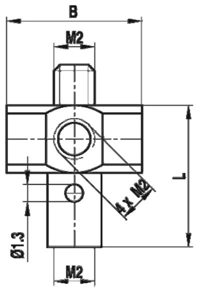
Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VC M2 000 03 040	A-5003-2280	-			3,5	40,0			0,9
2	VC M2 000 03 050	A-5003-2281	-			3,5	50,0			1,0
3	VC M2 000 03 070	A-5003-2282	-			3,5	70,0			1,3
4	VC M2 000 03 090	A-5003-2283	-			3,5	90,0			1,5

Special designs on request.

Carbon fibre made of high tech fibres used in aerospace technology. E-module of approximately 450 GPa.

5-way holder, rotary

Thread M2
Material Stainless steel



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	HI M2 000 07 008	A-5000-3627	SC2				7,5		7,0	1,2

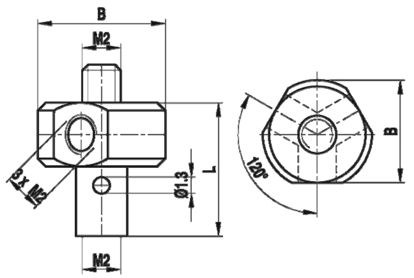
Special designs on request.

4-way holder, rotary

Thread M2
Material Stainless steel

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	HI M2 000 07 007	A-5000-8395	SC6				7,5		7,5	1,2

Special designs on request.

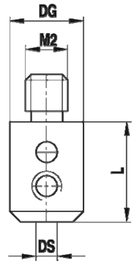


Holder for styli

Thread M2
Material Stainless steel

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KH M2 010 06 008	-	-			6,0	8,0	1,0		1,0
2	KH M2 015 06 008	-	-			6,0	8,0	1,5		1,0
3	KH M2 020 06 008	-	-			6,0	8,0	2,0		1,0

Special designs on request.

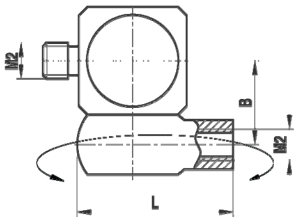


Rotary adapter

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	DI M2 000 04 008	A-5000-7534	SK2				8,0		4,5	2,0

Thread M2
Material Stainless steel

Special designs on request.

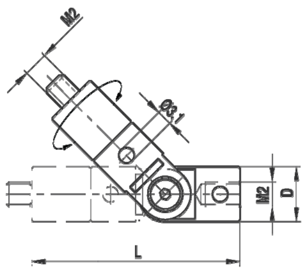


Rotary knuckle, slewing range 360°, swing range 180°

Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	GI M2 000 04 016	A-5000-9902	-			4,0	16,5			1,3

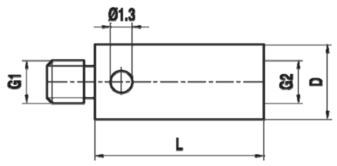
Thread M2
Material Stainless steel

Special designs on request.



Adapter

Thread M3/M2
Material Stainless steel

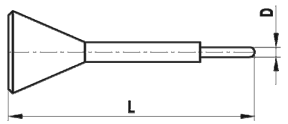


Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DG D	L	DS1 DS	G1 G2	Weight g
1	RI M3 000 04 005	M-5000-4163	SA3			4,0	5,0		M3/M2	0,5
2	RI M2 000 04 005	-	-			4,0	5,0		M2/M3	0,5
3	RI M2 000 04 007	M-5000-4164	SA2			4,0	7,0		M2/M3	0,5

Special designs on request.

Pin tool

Thread M2/M3
Material Stainless steel



Pos.	itp Order No	analogue Renishaw	Short Desig.	DK	ML1 ML	DGD	L	DS1 DS	EAL B	Weight g
1	MI MO 012 00 023	M-5000-3540	-			1,2	23,0			

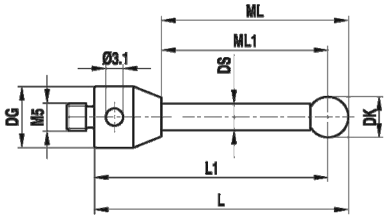
Special designs on request.

Leitz Analogue

Technical details subject to change without notice.

Carbide styli

Thread M5
Material Steel base, carbide stem, ruby ball



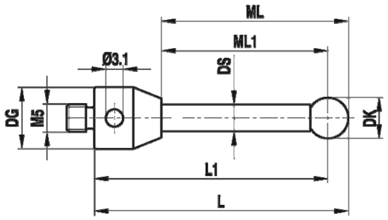
Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L L1	DS1 DS	EAL B	Weight g
1	TH M5 015 12 028	M00-694-150-016		1,5	7,0/7,75	12,0	28,75/28,0	1,0		10,0
2	TH M5 015 12 040	060-694.150-010		1,5	19,0/19,75	12,0	40,75/40,0	1,0		11,0
3	TH M5 020 12 030	060-694.150-007		2,0	18,5/19,5	12,0	31,0/30,0	1,5		7,0
4	TH M5 020 12 035	060-694.150-008		2,0	23,5/24,5	12,0	36,0/35,0	1,5		7,5
5	TH M5 020 12 041	060-694.150-013		2,0	30,0/31,0	12,0	42,0/41,0	1,5		8,0
6	TH M5 020 12 060	060-694.150-012		2,0	39,5/40,5	12,0	61,0/60,0	1,5		12,0
7	TH M5 030 12 035	060-694.050-000		3,0	24,0/25,5	12,0	36,5/35,0	2,0		9,0
8	TH M5 030 12 050	060-694.051-000		3,0	39,0/40,5	12,0	51,5/50,0	2,0		10,0
9	TH M5 035 12 091	060-694.150-005		3,5	78,0/79,75	12,0	92,75/91,0	3,0		18,0
10	TH M5 040 12 055	M00-694-150-017		4,0	42,0/44,0	12,0	57,0/55,0	3,0		13,0
11	TH M5 040 12 080	M00-694-150-018		4,0	69,0/71,0	12,0	82,0/80,0	2,5		16,0
12	TH M5 050 12 060	060-694.053-000		5,0	49,0/51,5	12,0	62,5/60,0	3,5		16,0
13	TH M5 050 12 080	060-694.054-000		5,0	69,0/71,5	12,0	82,5/80,0	3,5		19,0
14	TH M5 080 12 068	M02-J01-100-058		8,0	50,0/54,0	12,0	72,0/68,0	3,0		32,0
15	TH M5 080 12 090	060-694.056-000		8,0	74,0/78,0	12,0	94,0/90,0	6,0		46,0
16	TH M5 080 12 125	060-694.057-000		8,0	109,0/113,0	12,0	129,0/125,0	6,0		61,0
17	TH M5 080 12 176	060-694.150-014		8,0	160,0/164,0	12,0	180,0/176,0	6,0		80,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbide styli with silicon nitride ball

Thread M5
Material Steel base, carbide stem, silicon nitride ball



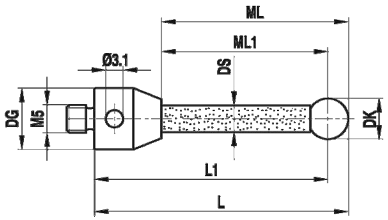
Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L L1	DS1 DS	EAL B	Weight g
1	TH M5 S15 12 028	-		1,5	7,0/7,75	12,0	28,75/28,0	1,0		10,0
2	TH M5 S15 12 040	-		1,5	19,0/19,75	12,0	40,75/40	1,0		11,0
3	TH M5 S20 12 030	-		2,0	18,5/19,5	12,0	31,0/30,0	1,5		7,0
4	TH M5 S20 12 035	-		2,0	23,5/24,5	12,0	36,0/35,0	1,5		7,5
5	TH M5 S20 12 041	-		2,0	30,0/31,0	12,0	42,0/41,0	1,5		8,0
6	TH M5 S20 12 060	-		2,0	39,5/40,5	12,0	61,0/60,0	1,5		12,0
7	TH M5 S30 12 035	-		3,0	24,0/25,5	12,0	36,5/35,0	2,0		9,0
8	TH M5 S30 12 050	-		3,0	39,0/40,5	12,0	51,5/50,0	2,0		10,0
9	TH M5 S35 12 091	-		3,5	78,0/79,75	12,0	92,75/91,0	3,0		18,0
10	TH M5 S40 12 055	-		4,0	42,0/44,0	12,0	57,0/55,0	3,0		13,0
11	TH M5 S40 12 080	-		4,0	69,0/71,0	12,0	82,0/80,0	2,5		16,0
12	TH M5 S50 12 060	-		5,0	49,0/51,5	12,0	62,5/60,0	3,5		16,0
13	TH M5 S50 12 080	-		5,0	69,0/71,5	12,0	82,5/80,0	3,5		19,0
14	TH M5 S80 12 068	-		8,0	50,0/54,0	12,0	72,0/68,0	3,0		32,0
15	TH M5 S80 12 090	-		8,0	74,0/78,0	12,0	94,0/90,0	6,0		46,0
16	TH M5 S80 12 125	-		8,0	109,0/113,0	12,0	129,0/125,0	6,0		61,0
17	TH M5 S80 12 176	-		8,0	160,0/164,0	12,0	180,0/176,0	6,0		80,0

Peg mounted balls Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli

Thread M5
Material Steel base, ceramic stem, ruby ball



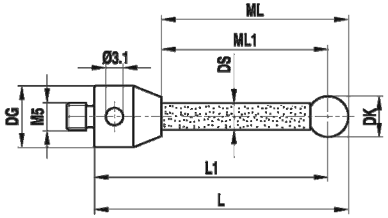
Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L L1	DS1 DS	EAL B	Weight g
1	TK M5 080 12 090	060-813.042-000		8,0	74,0/78,0	12,0	94,0/90,0	6,0		16,0
2	TK M5 080 12 125	060-813.041-000		8,0	109,0/113,0	12,0	129,0/125,0	6,0		20,0
3	TK M5 150 12 090	M00-694-186-000		15,0	74,0/81,5	12,0	97,5/90,0	6,0		51,0

Glued balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Ceramic styli with silicon nitride ball

Thread M5
Material Steel base, ceramic stem, silicon nitride ball



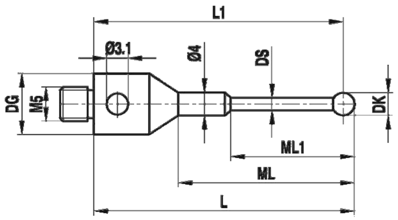
Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L L1	DS1 DS	EAL B	Weight g
1	TK M5 S80 12 090	-		8,0	74,0/78,0	12,0	94,0/90,0	6,0		16,0
2	TK M5 S80 12 125	-		8,0	109,0/113,0	12,0	129,0/125,0	6,0		20,0

Glued balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Micro ball styli

Thread M5
Material Steel base, carbide stem, ruby ball



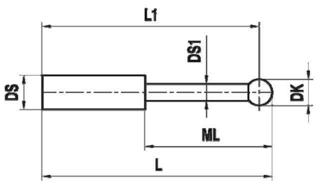
Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L L1	DS1 DS	EAL B	Weight g
1	FH M5 020 12 066	060-694.150-006		2,0	16,0 / 57,0	12,0	67,0 / 66,0	1,5		12,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Styli for holder

Thread M5
Material Carbide stem, ruby ball



Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L L1	DS1 DS	EAL B	Weight g
1	KT M5 003 02 022	M00-694-067-005		0,3	4,15		22,15 / 22,0	0,2 / 2,0		1,0
2	KT M5 005 02 022	M00-694-064-005		0,5	4,25		22,25 / 22,0	0,3 / 2,0		1,0
3	KT M5 008 02 022	M00-694-063-005		0,8	4,4		22,4 / 22,0	0,6 / 2,0		1,0
4	KT M5 010 02 022	M00-694-062-005		1,0	4,5		22,5 / 22,0	0,8 / 2,0		1,0
5	KT M5 010 02 034	060-694.151-009		1,0	14,5		34,5 /34,0	0,8 / 2,0		1,0
6	KT M5 015 02 022	060-694.066-000		1,5	10,35		22,75 / 22,0	1,2 / 2,0		1,0
7	KT M5 020 02 022	060-694.065-000		2,0	10,6		23,0 / 22,0	1,5 / 2,0		1,0

Peg mounted balls, except for ball-Ø 0,3 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

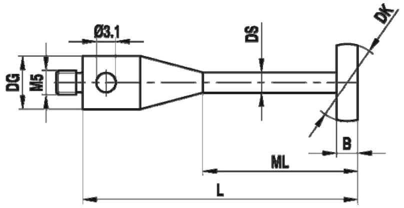
Spherical disk styli

Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KH M5 080 12 056	060-694-152-011		8,0	46,0	12,0	57,0	2,5	1,0	12,0
2	KH M5 100 12 046	060-694.152-010		10,0	35,7	12,0	46,7	3,0	0,7	13,0
3	KH M5 160 12 057	060-694.152-012		16,0	49,5	12,0	60,5	3,5	2,5	18,0

Thread M5

Material Steel base, carbide stem, high-strength steel disk

Special designs on request.



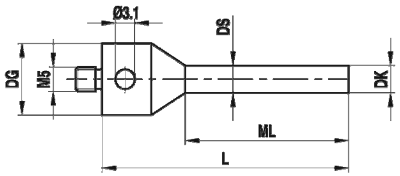
Cylinder styli

Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	ZH M5 030 12 050	060-694.152-008		3,0	39,0	12,0	50,0	3,0		14,0

Thread M5

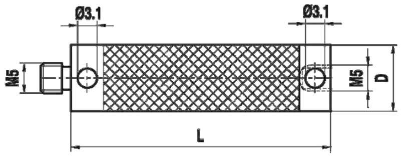
Material Steel base, carbide cylinder

Special designs on request.



Extension

Thread M5
Material Black carbon fibre, thermostable, titanium ends



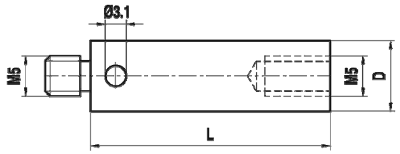
Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VC M5 TZ0 11 040	-				11,0	40,0			9,0
2	VC M5 TZ0 11 050	-				11,0	50,0			10,0
3	VC M5 TZ0 11 060	-				11,0	60,0			11,0
4	VC M5 TZ0 11 070	-				11,0	70,0			11,0
5	VC M5 TZ0 11 080	-				11,0	80,0			12,0
6	VC M5 TZ0 11 090	-				11,0	90,0			13,0
7	VC M5 TZ0 11 100	-				11,0	100,0			14,0
8	VC M5 TZ0 11 120	-				11,0	120,0			15,0
9	VC M5 TZ0 11 150	-				11,0	150,0			17,0
10	VC M5 TZ0 11 180	-				11,0	180,0			19,0
11	VC M5 TZ0 11 200	-				11,0	200,0			21,0
12	VC M5 TZ0 11 250	-				11,0	250,0			24,0
13	VC M5 TZ0 11 300	-				11,0	300,0			27,0
14	VC M5 TZ0 11 400	-				11,0	400,0			34,0
15	VC M5 TZ0 20 040	-				20,0	40,0			26,0
16	VC M5 TZ0 20 050	-				20,0	50,0			28,0
17	VC M5 TZ0 20 060	-				20,0	60,0			29,0
18	VC M5 TZ0 20 080	-				20,0	80,0			32,0
19	VC M5 TZ0 20 100	-				20,0	100,0			34,0
20	VC M5 TZ0 20 120	-				20,0	120,0			37,0
21	VC M5 TZ0 20 150	-				20,0	150,0			41,0
22	VC M5 TZ0 20 180	-				20,0	180,0			45,0
23	VC M5 TZ0 20 200	-				20,0	200,0			48,0
24	VC M5 TZ0 20 250	-				20,0	250,0			55,0
25	VC M5 TZ0 20 300	-				20,0	300,0			62,0
26	VC M5 TZ0 20 400	-				20,0	400,0			75,0
27	VC M5 TZ0 20 500	-				20,0	500,0			89,0
28	VC M5 TZ0 20 600	-				20,0	600,0			103,0

Special designs on request.

Thermostable carbon fibre made of high tech fibres used in aerospace technology. E-module of approximately 450 GPa.

Extension

Thread M5
Material Titanium

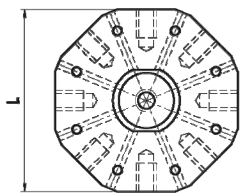


Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VT M5 000 12 020	060-694.036-000				12,0 *	20,0			15,0
2	VT M5 000 12 040	060-694.035-000				12,0 *	40,0			18,0
3	VT M5 000 12 050	060-813.034-000				12,0 *	50,0			15,0
4	VT M5 000 12 070	060-813.033-000				12,0 *	70,0			17,0
5	VT M5 000 12 100	060-813.032-000				12,0 *	100,0			24,0
6	VT M5 000 18 020	060-694.037-000				18,0	20,0			20,0
7	VT M5 000 18 060	060-694.034-000				18,0	60,0			37,0
8	VT M5 000 18 080	060-694.033-000				18,0	80,0			41,0
9	VT M5 000 18 100	060-694.032-000				18,0	100,0			47,0
10	VT M5 000 18 150	060-694.031-000				18,0	150,0			50,0
11	VT M5 000 18 200	060-694.030-000				18,0	200,0			60,0

Special designs on request. *For manufacturing reasons Ø < 12 mm.

Multiple styli holder for PMM and Cygnus X

Thread M5
Material Titanium

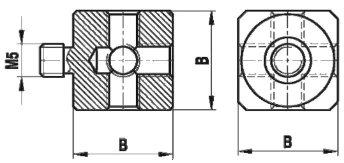


Pos.	itp Order No	analogue Leitz		DK	ML1 ML	Thickness	L	DS1 DS	Number of styli	Weight g
1	KH M5 L05 13 021	M00-694-081-000				13,0	32,0		5	40,0
2	KH M5 L06 13 021	M00-694-082-000				13,0	40,0		6	80,0
3	KH M5 L07 13 021	M00-694-083-000				13,0	29,0		7	57,0
4	KH M5 L08 13 021	M00-694-084-000				13,0	42,0		8	78,0
5	KH M5 L08 06 017	M00-694-085-000				17,0	88,0		8	250,0

Special designs on request.

Cube

Thread M5
Material Titanium



Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M5 L00 15 000	060-694.016-000							15,0	13,0
2	WT M5 L00 20 000	060-684.044-000							20,0	31,5

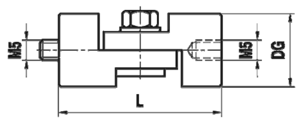
Special designs on request.

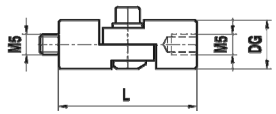
Knuckle

Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	GT M5 000 12 034	060-813-051-000				12,0	34,0			14,0
2	GT M5 000 18 040	060-694-012-000				18,0	40,0			39,0

Thread M5
Material Titanium

Special designs on request.



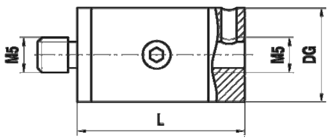


Rotary knuckle

Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	DS M5 000 14 027	060-813-055-000				14,0	27,0			26,0

Thread M5
Material Titanium

Special designs on request.

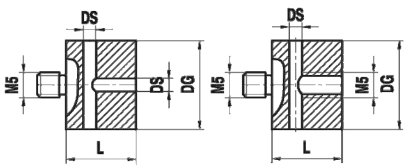


Multiple holder for styli

Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L	DS1 DS	Number of holes	Weight g
1	KH M5 000 15 020	060-694.060-000				15,0	10,0	2,0	5	13,0
2	KH M5 000 15 012	M00-694-061-000				15,0	12,0	2,0	4 + M5	13,0

Thread M5
Material Titanium

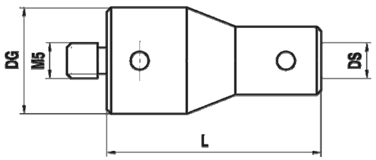
Special designs on request.



Holder	Pos.	itp Order No	analogue Leitz		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
Thread M5	1	KH M5 000 12 021	M00-694-068-000				12,0	21,0	2,0		14,0

Material Titanium

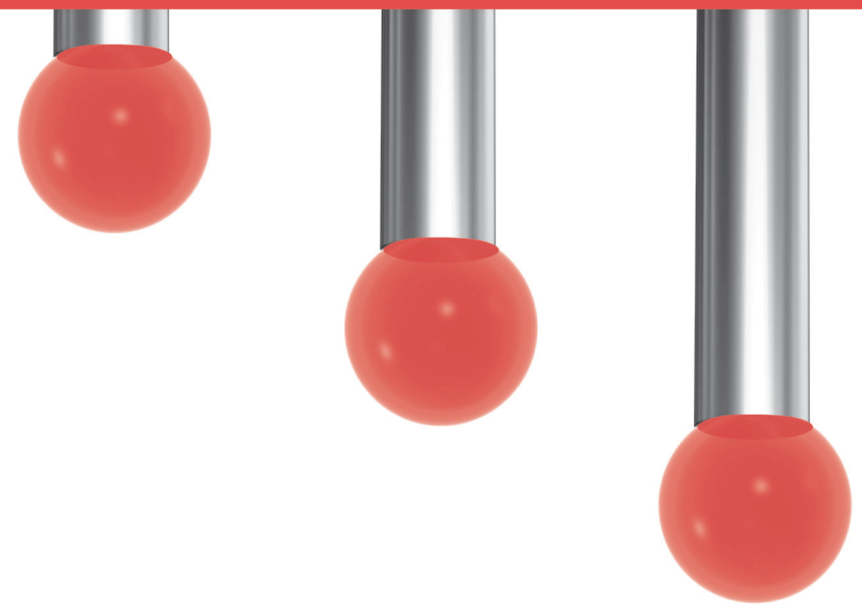
Special designs on request.



Klingelnberg Analogue

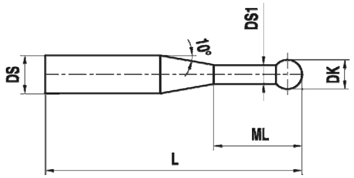
Technical details subject to change without notice.

Klingelnberg
Analogue



Styli for holder

Thread M5
Material Carbide stem, ruby ball



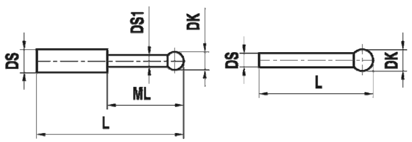
Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KT M5 005 04 035	281784A		0,5	2,75 / 4,75		35,25	0,3/1,0/4,0		3,0
2	KT M5 008 04 035	-		0,8	4,9		35,4	0,6 / 4,0		3,0
3	KT M5 010 04 035	281785A		1,0	5,0		35,5	0,8 / 4,0		3,0
4	KT M5 010 04 060	291448A		1,0	5,0		60,5	0,8 / 4,0		7,0
5	KT M5 015 04 035	281786A - 353112A		1,5	5,25		35,75	1,0 / 4,0		3,0
6	KT M5 015 04 060	280750A		1,5	5,25		60,75	1,0 / 4,0		7,0
7	KT M5 020 04 036	281787A - 353113A		2,0	5,5		36,0	1,2 / 4,0		3,0
8	KT M5 020 04 061	280751A		2,0	8,5		61,0	1,2 / 4,0		8,0
9	KT M5 030 04 036	281788A - 353114A		3,0	9,0		36,5	1,8 / 4,0		3,0
10	KT M5 030 04 061	280752A		3,0	11,5		61,5	1,8 / 4,0		8,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Styli for holder

Thread M5
Material Carbide stem, ruby ball



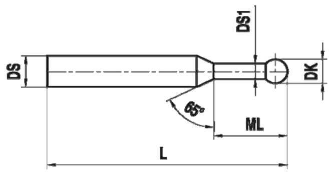
Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KT M5 010 01 016	306627A		1,0	5,0		16,0	0,8 / 1,0		1,0
2	KT SO 015 10 016	306628A		1,5	-		16,0	1,0		1,0
3	KT SO 020 10 016	306629A		2,0	-		16,0	1,0		1,0
4	KT M5 050 04 037	148669A		5,0	12,5		37,5	3,0 / 4,0		3,0
5	KT M5 050 04 062	280753A		5,0	-		62,5	4,0		8,0
6	KT M5 070 04 038	283849A		7,0	-		38,5	4,0		6,0
7	KT M5 100 04 040	283850A		10,0	-		40,0	4,0		6,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Styli for holder

Thread M5
Material Carbide stem, ruby ball



Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KT M5 003 01 015/65°	337835 A		0,3	2,3		15,3	0,2 / 1,0		1,0
2	KT M5 005 01 015/65°	337839 A		0,5	2,5		15,5	0,3 / 1,0		1,0

Peg mounted balls, except for ball-Ø 0,3 mm. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

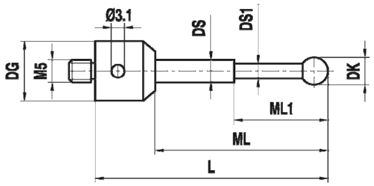
Carbide styli

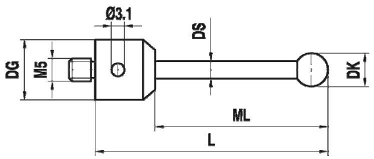
Thread M5
Material Steel base, carbide stem, ruby ball

Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	NH M5 K15 11 033	309524A		1,5	7,0 / 24,0	11,0	33,0	1,0 / 1,5		7,0
2	NH M5 020 11 033	309523A		2,0	24,5	11,0	33,0	1,5		7,0

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.





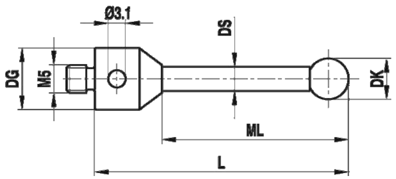
Carbide styli

Thread M5
Material Titanium base, carbide stem, ruby ball

Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M5 030 11 033	306630A		3,0	23,5	11,0	33,5	2,0		4,5
2	TH M5 050 11 053	306631A		5,0	43,0	11,0	53,0	3,5		9,8

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

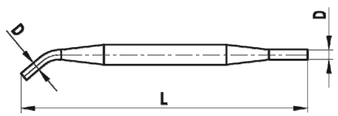


Pin-type wrench

Thread M4/M5
Material Stainless steel

Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	MI MO 017 00 049	306639 A				1,7	49,0			
2	MI MO 029 00 070	306640 A				2,9	70,0			

Special designs on request.

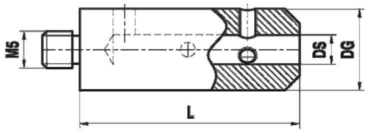


Holder for styli

Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KH M5 000 30 040	306711A				11,0	29,5	4,0		23,0

Thread M5
Material Titanium

For styli with DS 4.0 mm. Special designs on request.

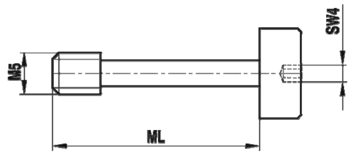


Screw for cube and spherical disk

Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	SI M5 000 21 000	306619A			21,0		-			3,0

Thread M5
Material Stainless steel

Special designs on request.

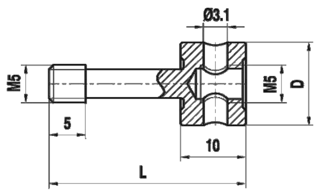


Threaded extension for cube

Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VT M5 SGO 11 010	309526A				11,0	30,0			4,5

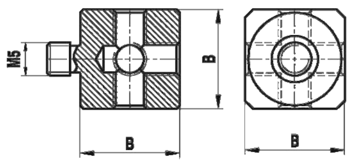
Thread M5
Material Titanium

Special designs on request.



Cube

Thread M5
Material Titanium

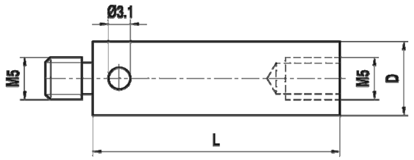


Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WT M5 000 15 000	306618A							15,0	12,6

Special designs on request.

Extension

Thread M5
Material Titanium



Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VT M5 000 11 010	306604A				11,0	10,0			3,9
2	VT M5 000 11 015	306605A				11,0	15,0			5,7
3	VT M5 000 11 020	306606A				11,0	20,0			7,5
4	VT M5 000 11 025	306607A				11,0	25,0			9,5
5	VT M5 000 11 030	309529A				11,0	30,0			9,8
6	VT M5 000 11 035	306608A				11,0	35,0			10,0
7	VT M5 000 11 040	306609A				11,0	40,0			12,6
8	VT M5 000 11 050	306610A				11,0	50,0			13,2
9	VT M5 000 11 060	306611A				11,0	60,0			14,2
10	VT M5 000 11 075	306612A				11,0	75,0			15,3
11	VT M5 000 11 080	306613A				11,0	80,0			15,6
12	VT M5 000 11 090	306614A				11,0	90,0			16,5
13	VT M5 000 11 100	306615A				11,0	100,0			17,2

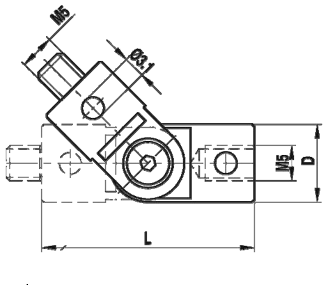
Special designs on request.

Rotary knuckle, swing range 180°

Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	GT M5 000 11 030	309525A				11,0	30,0			11,2

Thread M5
Material Titanium

Special designs on request.

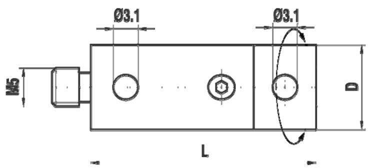


Rotary adapter

Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	DT M5 000 11 029	309522A				11,0	29,0			13,0

Thread M5
Material Titanium

Special designs on request.

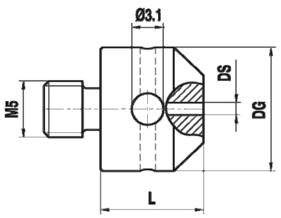


1-way holder for styli

Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	SH M5 000 11 010	309520A				11,0	10,0	1,0		3,2

Thread M5
Material Stainless steel

Special designs on request.

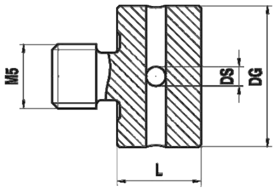


2-way holder for styli

Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	KH M5 000 20 010	306622A				10,0	6,0	1,0		3,0

Thread M5
Material Stainless steel

Special designs on request.

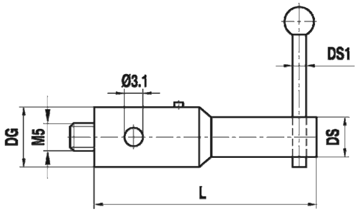


Holder 90° for styli

Pos.	itp Order No	analogue Klingelnberg		DK	ML1 ML	DG D	L	DS DS1	EAL B	Weight g
1	KI M5 115 11 045	306624A				11,0	45,0	6,0 / 1,0-1,5		16,0

Thread M5
Material Stainless steel

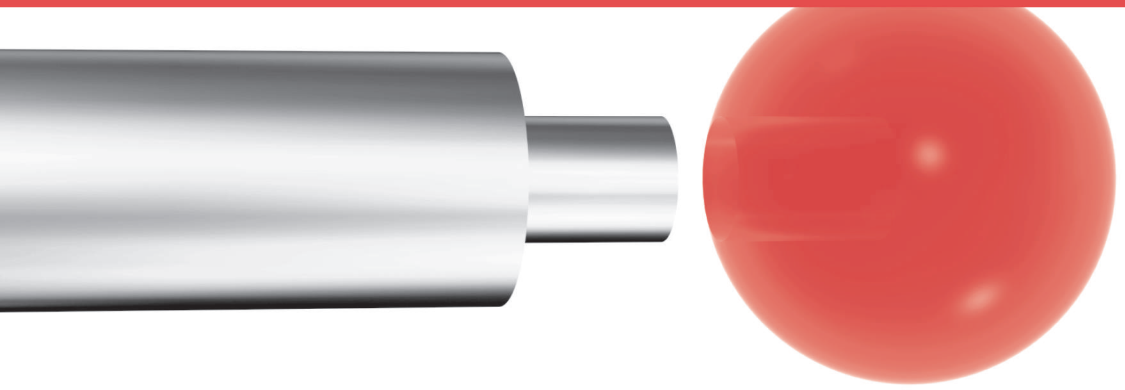
Special designs on request.



Faro Analogue

Technical details subject to change without notice.

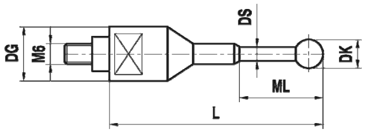
Faro Analogue



Carbide styli

Thread M6

Material Steel base, carbide stem, ball as per table



Pos.	itp Order No	analogue Faro		DK	ML1 ML	DG D	L	DS1 DS	Inch	Weight g
1	TH M6 H16 16 047	BP002-M		1,58	9,0	16,0	47,0	1,0	1/16"	
2	TH M6 R30 16 049	BPM009-M		3,0	11,0	16,0	49,0	2,0	-	
3	TH M6 Z30 16 049	-		3,0	11,0	16,0	49,0	2,0	-	
4	TH M6 R08 16 049	-		3,175	11,0	16,0	49,0	2,0	1/8"	
5	TH M6 Z08 16 049	BP004-M		3,175	11,0	16,0	49,0	2,0	1/8"	
6	TH M6 D08 16 049	BP012-M		3,175	11,0	16,0	49,0	2,0	1/8"	
7	TH M6 H08 16 100	BP014-M		3,175	62,0	16,0	100,0	2,0	1/8"	
8	TH M6 D08 16 100	BP015-M		3,175	62,0	16,0	100,0	2,0	1/8"	
9	TH M6 R60 16 049	-		6,0	11,0	16,0	49,0	2,0	-	
10	TH M6 Z60 16 049	BPM001-M		6,0	11,0	16,0	49,0	2,0	-	
11	TH M6 R04 16 049	-		6,35	11,0	16,0	49,0	2,0	1/4"	
12	TH M6 Z04 16 049	BP001-M		6,35	11,0	16,0	49,0	2,0	1/4"	
13	TH M6 D04 16 049	BP011-M		6,35	11,0	16,0	49,0	2,0	1/4"	
14	TH M6 H04 16 100	BP009-M		6,35	62,0	16,0	100,0	3,5	1/4"	
15	TH M6 H516 16 049	BP013-M		7,93	11,0	16,0	49,0	3,5	5/16"	
16	TH M6 R80 16 049	BPM002-M		8,0	11,0	16,0	49,0	3,5	-	
17	TH M6 R100 16 049	BPM003-M		10,0	11,0	16,0	49,0	3,5	-	
18	TH M6 R120 16 059	BPM004-M		12,0	21,0	16,0	59,0	3,5	-	
19	TH M6 H02 16 059	BP008-M		12,69	21,0	16,0	59,0	3,5	1/2"	
20	TH M6 H160 16 059	BPM005-M		16,0	21,0	16,0	59,0	3,5	-	
21	TH M6 H180 16 059	BPM006-M		18,0	21,0	16,0	59,0	3,5	-	
22	TH M6 H200 16 059	BPM007-M		20,0	21,0	16,0	59,0	3,5	-	
23	TH M6 H10 16 069	BP007-M		25,4	31,0	16,0	69,0	3,5	1"	

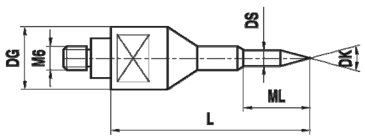
Peg mounted balls. Special designs on request.

H = Carbide, R = Ruby, D = Delrin, Z= Zirconium oxide.

Pointer styli

Thread M6

Material Steel base, carbide stem

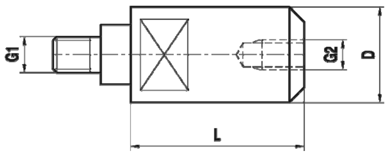


Pos.	itp Order No	analogue Faro		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	IH M6 030 16 047	PP001-M		30°		16,0	47,0	2,0		

Special designs on request.

Adapter

Thread M6
Material Stainless steel

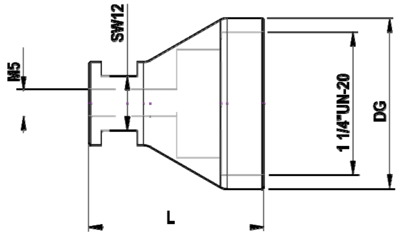


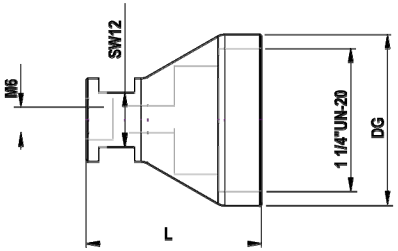
Pos.	itp Order No	analogue Faro		DK	ML1 ML	DG D	L	DS1 DS	G1 G2	Weight g
1	RI M6 500 16 029	-				16,0	29,0		M6 / M5	
2	RI M6 400 16 029	-				16,0	29,0		M6 / M4	
3	RI M6 300 16 029	-				16,0	29,0		M6 / M3	
4	RI M6 200 16 029	-				16,0	29,0		M6 / M2	

Special designs on request.

Adapter for Faro Platinum/Gold

Thread M5/M6
Material Stainless Steel





Pos.	itp Order No	analogue Faro		DK	ML1 ML	DG D	L	DS1 DS	G1 G2	Weight g
1	RIUN11/4M538039	-				38,0	39,0		1,25'/M5	
2	RIUN11/4M638039	-				38,0	39,0		1,25'/M6	

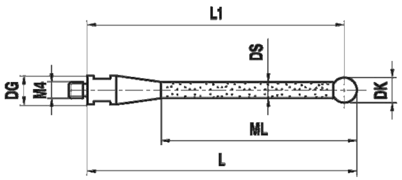
Special designs on request.

Marposs Analogue

Technical details subject to change without notice.

Ceramic styli

Thread M4
Material Steel base, ceramic stem, ruby ball



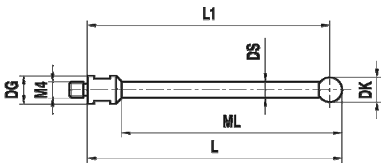
Pos.	itp Order No	analogue Marposs		DK	ML1 ML	DG D	L L1	DS1 DS	EAL B	Weight g
1	TK M4 060 07 035	319 19 10 872		6,0	29,5	7,0	38,0 / 35,0	4,0		3,8
2	TK M4 060 07 040	319 19 10 873		6,0	34,5	7,0	43,0 / 40,0	4,0		4,0
3	TK M4 060 07 045	319 19 10 874		6,0	39,5	7,0	48,0 / 45,0	4,0		4,7
4	TK M4 060 07 050	319 19 10 875		6,0	44,5	7,0	53,0 / 50,0	4,0		4,5
5	TK M4 070 07 070	319 19 10 871		7,0	55,5	7,0	73,5 / 70,0	4,0		5,0
6	TK M4 060 07 075	319 19 10 870		6,0	60,0	7,0	78,0 / 75,0	4,0		5,2
7	TK M4 060 07 100	319 19 10 865		6,0	85,0	7,0	103,0 / 100,0	4,0		6,5
8	TK M4 070 07 125	319 19 29 200		7,0	110,5	7,0	128,5 / 125,0	4,0		7,9
9	TK M4 070 07 150	319 19 10 860		7,0	135,5	7,0	153,5 / 150,0	4,0		8,9
10	TK M4 100 07 100	319 19 29 210		10,0	87,0	7,0	105,0 / 100,0	4,0		7,3

Glued balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Carbide styli

Thread M4
Material Steel base, carbide stem, ruby ball



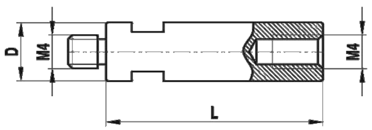
Pos.	itp Order No	analogue Marposs		DK	ML1 ML	DG D	L L1	DS1 DS	EAL B	Weight g
1	TH M4 010 07 020	319 19 10 806		1,0	4,5	7,0	20,5 / 20,0	0,8		1,5
2	TH M4 020 07 020	319 19 10 807		2,0	8,0	7,0	21,0 / 20,0	1,5		1,5
3	TH M4 040 07 020	319 19 10 808		4,0	12,0	7,0	22,0 / 20,0	3,0		1,9
4	TH M4 060 07 020	319 19 10 803		6,0	14,5	7,0	23,0 / 20,0	4,0		2,1
5	TH M4 060 07 035	319 19 10 805		6,0	29,5	7,0	38,0 / 35,0	4,0		15,2
6	TH M4 060 07 040	319 19 10 810		6,0	34,5	7,0	43,0 / 40,0	4,0		16,5
7	TH M4 060 07 050	319 19 10 815		6,0	44,5	7,0	53,0 / 50,0	4,0		18,0
8	TH M4 060 07 075	319 19 10 830		6,0	69,5	7,0	78,0 / 75,0	4,0		19,7
9	TH M4 060 07 100	319 19 10 840		6,0	94,5	7,0	103,0 / 100,0	4,0		27,5
10	TH M4 070 07 150	319 19 10 845		7,0	135,5	7,0	153,5 / 150,0	4,0		36,0
11	TH M4 080 07 020	319 19 10 809		8,0	15,5	7,0	24,0 / 20,0	4,0		2,2

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Extension

Thread M4
Material Stainless steel

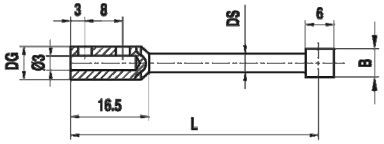


Pos.	itp Order No	analogue Marposs		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VI M4 000 M7 010	101 91 08 026				7,0	10,0			2,4
2	VI M4 000 M7 015	101 91 08 027				7,0	15,0			3,7
3	VI M4 000 M7 020	101 91 08 028				7,0	20,0			4,8
4	VI M4 000 M7 030	101 91 08 029				7,0	30,0			7,4
5	VI M4 000 M7 050	101 91 08 025				7,0	50,0			9,5

Special designs on request.

Tool datuming styli

Thread M4
Material Stainless steel stem, cube in carbide

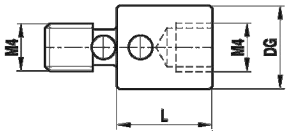


Pos.	itp Order No	analogue Marposs		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	WP M4 000 07 031	319 19 10 886				7,0	31,0	4,0	6,0	3,3
2	WP M4 000 07 036	319 19 10 887				7,0	36,0	4,0	6,0	3,5
3	WP M4 000 07 048	319 19 10 888				7,0	48,0	4,0	6,0	3,8
4	WP M4 000 07 061	319 19 10 889				7,0	61,0	4,0	6,0	4,7
5	WP M4 000 07 095	319 19 10 890				7,0	95,0	4,0	6,0	7,5

Special designs on request.

Crash protection device

Thread M4
Material Stainless steel

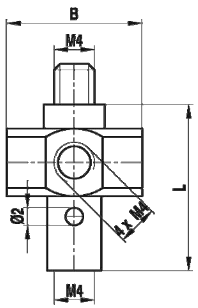


Pos.	itp Order No	analogue Marposs		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	BI M4 000 07 008	101 91 08 005				7,0	8,0			1,8

Special designs on request.

5-way holder, rotary

Thread M4
Material Stainless steel



Pos.	itp Order No	analogue Marposs		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	HI M4 000 15 018	201 91 08 000					18,0		15,0	12,5

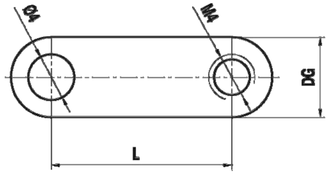
Special designs on request.

Stylus crank for screw SI M4 000 07 010

Thread M4
Material Stainless steel

Pos.	itp Order No	analogue Marposs		DK	ML1 ML	DG D	L	DS1 DS	Thickness	Weight g
1	RI M4 000 07 022	101 91 08 036				7,0	22,0		5,0	1,5
2	RI M4 000 07 028	101 91 08 037				7,0	28,0		5,0	1,8

Special designs on request.

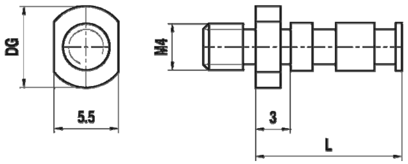


Crash protection device

Thread M4
Material Stainless steel

Pos.	itp Order No	analogue Marposs		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	BI M4 000 07 016	101 50 51 100				7,0	16,0			1,8

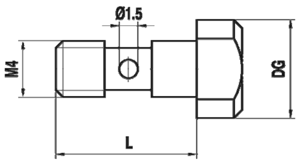
Special designs on request.



Screw with crash protection device

Thread M4
Material Stainless steel

Pos.	itp Order No	analogue Marposs		DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	SI M4 000 07 010	101 91 08 004				7,0	10,0			1,8



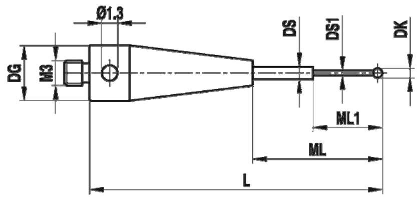
Heidenhain Analogue

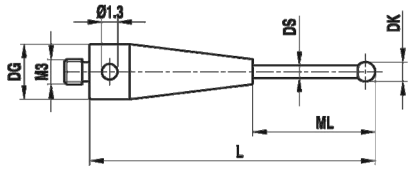
Technical details subject to change without notice.

Heidenhain
Analogue

Carbide styli

Thread M3
Material Steel base, carbide stem, ruby ball





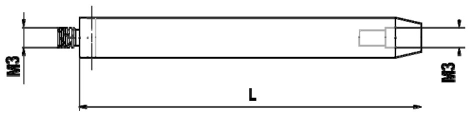
Pos.	itp Order No	analogue Heidenhain	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	TH M3 010 H4 021	T421		1,0	5,0/14,0	4,0	21,5	0,7/1,0		
2	TH M3 020 H4 022	T422		2,0	14,5	4,0	22,0	1,0		
3	TH M3 030 H4 022	T423		3,0	15,0	4,0	22,5	1,0		
4	TH M3 040 H4 023	T424		4,0	15,0	4,0	23,0	2,0		
5	TH M3 040 H4 042	T404		4,0	34,0	4,0	42,0	2,0		
6	TH M3 050 H4 042	T405		5,0	34,5	4,0	42,5	2,0		
7	TH M3 060 H4 043	T406		6,0	35,0	4,0	43,0	2,0		
8	TH M3 080 H4 044	T408		8,0	34,0	4,0	44,0	3,0		

Peg mounted balls. Special designs on request.

All existing ball materials are available upon request for all styli and all thread sizes.

Extension

Thread M3
Material Stainless steel



Pos.	itp Order No	analogue Heidenhain	Renishaw Order No	DK	ML1 ML	DG D	L	DS1 DS	EAL B	Weight g
1	VI M3 000 H6 050	T490				6,0	50,0			

Special designs on request.