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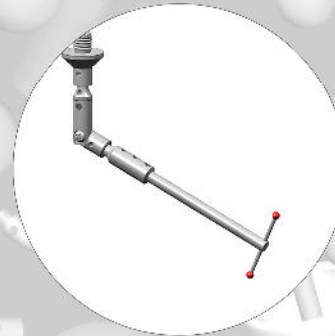
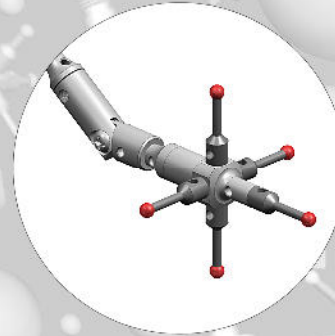
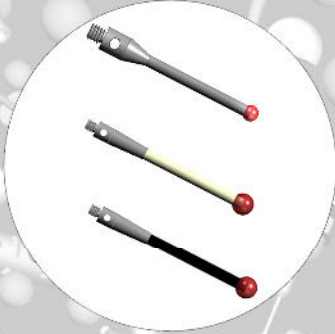
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Pins

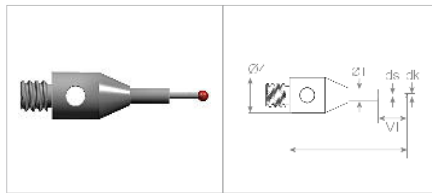
Reference Spheres

Centerline Locators



M3

Ruby Ball Styli, Carbide Shank

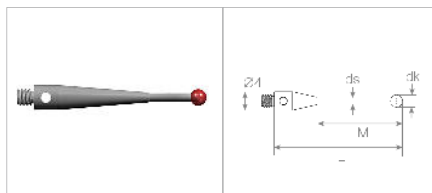


- ⊕ Ball: Ruby
- ⊕ Shank: Carbide, reduced
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

M3
 Ruby Ball Stylus
 © 2006 Paul W. Marino Gages, Inc.

Order Number	dk	ds	L	ML	Wt.
STY-N0.2-11-3NTA	0.2	0.15	10.0	1.5	0.4
STY-N0.25-11-3NTA	0.25	0.2	10.0	2.5	0.4
STY-N0.3-11-3NTA	0.3	0.2	10.0	2.5	0.4
STY-N0.4-11-3NTA	0.4	0.3	10.0	2.5	0.4
STY-N0.5-11-3NTA	0.5	0.3	10.0	2.5	0.4
STY-N0.6-11-3NTA	0.6	0.4	10.0	2.5	0.4
STY-N0.6-13-3NTA	0.6	0.4	12.2	4.5	0.4
STY-N0.7-11-3NTA	0.7	0.4	10.0	2.5	0.4
STY-N0.7-13-3NTA	0.7	0.4	12.2	4.5	0.4
STY-N0.8-11-3NTA	0.8	0.6	10.0	2.5	0.4
STY-N0.8-13-3NTA	0.8	0.6	12.2	4.5	0.4
STY-N0.9-11-3NTA	0.9	0.6	10.0	2.5	0.4
STY-N0.9-13-3NTA	0.9	0.6	12.2	4.5	0.4
STY-N1.0-11-3NTA	1.0	0.8	10.0	2.5	0.7
STY-N1.0-13-3NTA	1.0	0.8	12.2	4.5	0.7

Ruby Ball Stylus, Carbide Shank



- ⊕ Ball: Ruby
- ⊕ Shank: Carbide
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	dk	ds	L	ML	Wt.
STY-N0.5-21-3NTBS	0.5	0.3	21.0	2.5	1.0

SOLUTIONS®
"How it

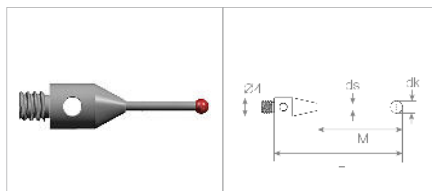
Use these tools to properly assemble your styli configurations. See more on pages 70-72.



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Ruby Ball Styli, Carbide Shank

M3



- ⊕ Ball: Ruby
- ⊕ Shank: Carbide
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	dk	ds	L	ML	Wt.
STY-N1.0-10.5-3NTB	1.0	0.7	10.5	4.5	0.7
STY-N1.0-15.5-3NTB	1.0	0.7	15.5	7.5	0.7
STY-N1.0-20.5-3NTB	1.0	0.7	20.5	12.5	0.7
STY-N1.5-16-3NTB	1.5	0.7	16.0	8.0	0.6
STY-N1.5-21-3NTB	1.5	0.7	21.0	13.0	0.6
STY-N1.5-31-3NTB	1.5	0.7	31.0	23.0	1.0
STY-N2.0-16-3NTB	2.0	1.0	16.0	8.0	0.7
STY-N2.0-21-3NTB	2.0	1.0	21.0	13.0	0.7
STY-N2.0-26-3NTB	2.0	1.0	26.0	18.0	0.8
STY-N2.0-31-3NTB	2.0	1.0	31.0	23.0	0.9
STY-N2.0-36-3NTB	2.0	1.0	36.0	28.0	0.9
STY-N2.0-41-3NTB	2.0	1.0	41.0	33.0	1.0
STY-N2.5-16-3NTB	2.5	1.0	16.0	8.0	0.7
STY-N2.5-21-3NTB	2.5	1.0	21.0	13.0	0.7
STY-N2.5-31-3NTB	2.5	1.5	31.0	23.0	1.3
STY-N2.5-41-3NTB	2.5	1.5	41.0	33.0	1.5
STY-N3.0-31.5-3NTB	3.0	1.5	31.5	23.5	1.4
STY-N3.0-36.5-3NTB	3.0	1.5	36.5	28.5	1.5
STY-N3.0-41.5-3NTB	3.0	1.5	41.5	33.5	1.6
STY-N3.0-46.5-3NTB	3.0	1.5	46.5	38.5	1.8
STY-N3.0-51.5-3NTB	3.0	1.5	51.5	43.5	1.9

Continued on next page

M3
 Ruby Ball Styli
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SOLUTIONS®
"How it works"

"Tungsten Carbide"

Tungsten is a rare metallic element with a bright gray color, metallic luster and a high melting point. It is used to manufacture high speed cutting tools, lamp elements and tooling products.

Carbide is a compound metal.



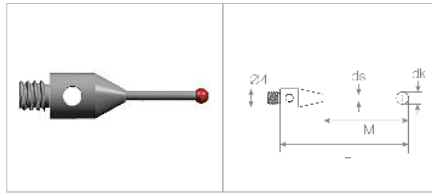
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www.pmarginc.com

Fax: (586) 759-2423
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M3

Ruby Ball Styli, Carbide Shank



- ⊕ Ball: Ruby
- ⊕ Shank: Carbide
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

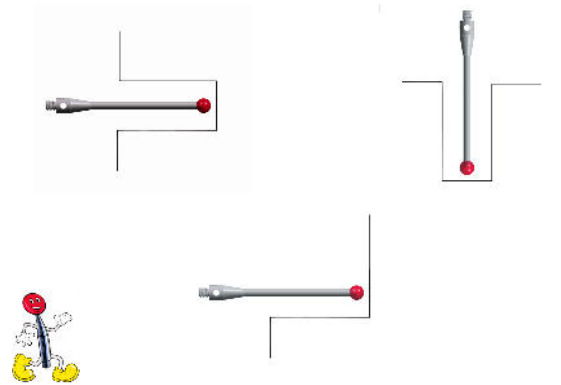
M3
 Ruby Ball Styli
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Continued from previous page

Order Number	dk	ds	L	ML	Wt.
STY-N4.0-32-3NTB	4.0	2.0	32.0	24.0	1.9
STY-N4.0-37-3NTB	4.0	2.0	37.0	29.0	2.1
STY-N4.0-42-3NTB	4.0	2.0	42.0	34.0	2.4
STY-N4.0-47-3NTB	4.0	2.0	47.0	39.0	2.6
STY-N4.0-52-3NTB	4.0	2.0	52.0	44.0	2.8
STY-N5.0-32.5-3NTB	5.0	2.0	32.5	24.5	2.0
STY-N5.0-37.5-3NTB	5.0	2.0	37.5	29.5	2.3
STY-N5.0-42.5-3NTB	5.0	2.0	42.5	34.5	2.5
STY-N5.0-47.5-3NTB	5.0	2.0	47.5	39.5	2.7
STY-N5.0-52.5-3NTB	5.0	2.0	52.5	44.5	2.9
STY-N6.0-33-3NTB	6.0	2.0	33.0	25.0	2.2
STY-N6.0-38-3NTB	6.0	2.0	38.0	33.0	2.4
STY-N6.0-43-3NTB	6.0	2.0	43.0	35.0	2.7
STY-N6.0-48-3NTB	6.0	2.0	48.0	40.0	2.9
STY-N6.0-53-3NTB	6.0	2.0	53.0	45.0	3.1

SOLUTIONS® "How it Works"

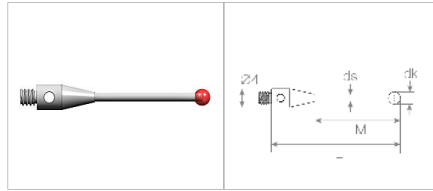
Long shanks at work



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Ruby Ball Styli, Steel Shank

M3



- ⊕ Ball: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	dk	ds	L	ML	Wt.
STY-N1.0-21.5-3NTC	1.0	0.7	21.5	5.0	1.0
STY-N2.0-11-3NTC	2.0	1.2	11.0	5.0	0.6
STY-N2.0-16-3NTC	2.0	1.2	16.0	10.0	0.6
STY-N2.0-22-3NTC	2.0	1.4	22.0	8.0	1.0
STY-N2.5-21-3NTC	2.5	1.5	21.0	15.0	0.6
STY-N3.0-11.5-3NTC	3.0	2.0	11.5	5.5	0.7
STY-N3.0-21.5-3NTC	3.0	2.0	21.5	15.5	0.8
STY-N3.0-22.5-3NTC	3.0	2.0	22.5	16.5	0.8
STY-N4.0-12-3NTC	4.0	2.4	12.0	6.0	0.8
STY-N4.0-22-3NTC	4.0	2.4	22.0	16.0	1.1
STY-N4.0-23-3NTC	4.0	2.4	23.0	17.0	1.1
STY-N4.0-33-3NTC	4.0	2.5	33.0	27.0	1.4
STY-N5.0-23.5-3NTC	5.0	3.0	23.5	17.5	1.5
STY-N5.0-33.5-3NTC	5.0	3.0	33.5	29.5	2.5
STY-N6.0-13-3NTC	6.0	2.8	13.0	7.0	1.2
STY-N6.0-28-3NTC	6.0	3.0	28.0	22.0	2.0

M3
Ruby Ball Styli
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SOLUTIONS@ "How it works"

Carbide:

- ⊕ Sub-micron deflection
- ⊕ Small diameters
- ⊕ Non-magnetic

Stainless Steel:

- ⊕ Durable
- ⊕ Low cost
- ⊕ Wide-spread acceptance

Ceramic:

- ⊕ Light weight
- ⊕ Easy to see
- ⊕ Same Coefficient of Thermal Expansion as balls

Carbon Fiber:

- ⊕ Light weight
- ⊕ Ideal for long configurations
- ⊕ Great for high speed machines

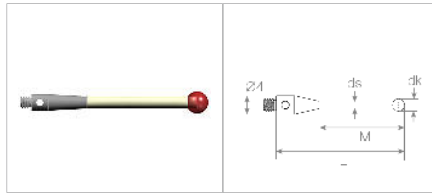
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M3

Ruby Ball Styli, Ceramic Shank

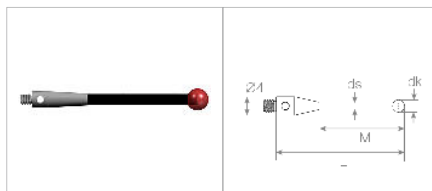


- ⊕ Ball: Ruby
- ⊕ Shank: Ceramic
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

M3
 Ruby Ball Styli
 © 2006 Paul W. Marino Gages, Inc.

Order Number	dk	ds	L	ML	Wt.
STY-N3.0-51.5-3NTKE	3.0	2.0	51.5	41.5	1.3
STY-N4.0-32-3NTKE	4.0	2.0	32.0	22.0	1.7
STY-N4.0-42-3NTKE	4.0	2.0	42.0	32.0	1.8
STY-N4.0-52-3NTKE	4.0	2.0	52.0	42.0	1.9
STY-N5.0-42.5-3NTKE	5.0	3.0	42.5	32.5	2.2
STY-N5.0-52.5-3NTKE	5.0	3.0	52.5	42.5	2.5
STY-N5.0-62.5-3NTKE	5.0	3.0	62.5	52.5	2.7
STY-N6.0-43-3NTKE	6.0	3.0	43.0	33.0	2.5
STY-N6.0-53-3NTKE	6.0	3.0	53.0	43.0	2.7
STY-N6.0-63-3NTKE	6.0	3.0	63.0	53.0	3.0

Ruby Ball Styli, Carbon Fiber Shank



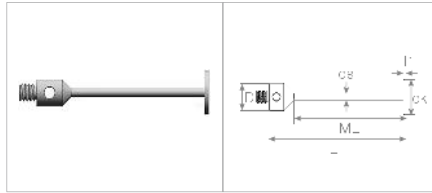
- ⊕ Ball: Ruby
- ⊕ Shank: Carbon Fiber
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	dk	ds	L	ML	Wt.
STY-N4.0-32-3NTCA	4.0	3.0	32.0	22.0	1.1
STY-N4.0-42-3NTCA	4.0	3.0	42.0	32.0	1.2
STY-N4.0-52-3NTCA	4.0	3.0	52.0	42.0	1.2
STY-N5.0-42.5-3NTCA	5.0	3.0	42.5	32.5	1.4
STY-N5.0-52.5-3NTCA	5.0	3.0	52.5	42.5	1.5
STY-N5.0-62.5-3NTCA	5.0	3.0	62.5	52.5	1.6
STY-N6.0-43-3NTCA	6.0	3.0	43.0	33.0	1.6
STY-N6.0-53-3NTCA	6.0	3.0	53.0	43.0	1.7
STY-N6.0-63-3NTCA	6.0	3.0	63.0	53.0	1.8

"Specials are our specialty"®

Disc Styli, Ceramic

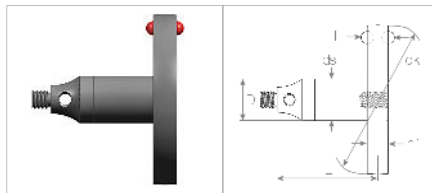
M3



- ⊕ Disc: Ceramic
- ⊕ Shank: Carbide
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	L	H1	dk	ds	D	Wt.
STY-N5.0-20-3NKSK	20.0	0.5	5.0	1.5	4.0	0.9
STY-N10.0-25-3NKSK	25.0	0.8	10.0	2.0	4.0	1.8
STY-N14.0-25-3NKSK	25.0	1.0	14.0	2.0	4.0	3.3

Disc Styli, Steel / Ruby

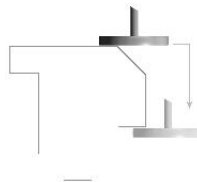
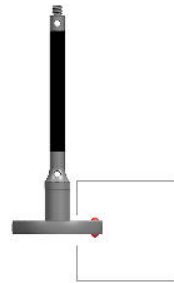


- ⊕ Ball: Ruby
- ⊕ Disc: Stainless Steel
- ⊕ Ferrule: Rotary
- ⊕ Ferrule: Stainless Steel

Order Number	L	H1	H	dk	D	Wt.
STY-N18.0-12-3NKSD	12.0	4.0	2.5	18.0	5.0	3.1
STY-N25.0-12-3NKSD	12.0	4.0	2.5	25.0	5.0	4.2
STY-N40.0-12-3NKSD	12.0	6.0	4.0	40.0	5.0	11.3

SOLUTIONS-
"How it Works"

Select disc styli for notches and grooves. Use a lightweight extension and a knuckle for difficult to access bores.



"Be Creative"



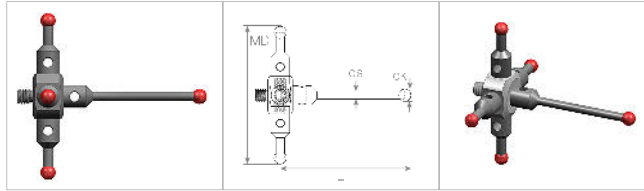
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www.pmarginc.com

Fax: (586) 759-2423
pwminc@covad.net

M3

Star Styli, Steel / Ruby



M3

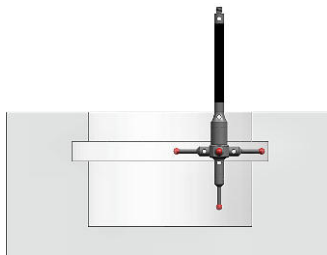
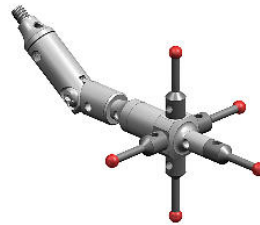
Star Styli
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- ⊕ Ball: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Stainless Steel, Rotary
- ⊕ Set your probe and lock in on orientation.

Order Number	L	dk	ds	MD	Wt.
STY-N2.0-32-3NSTE	21.0	2.0	1.4	32.0	7.8
STY-N2.0-52-3NSTE	31.0	2.0	1.4	52.0	8.4

SOLUTIONS® "Be Creative"

PWM star styli are available with standard fixed arms or create your own custom design with a star adapter on pages 68-69 and any combination of M2 styli. Add a knuckle adapter shown on pages 66-67 for angled access.



Star styli are great for bores with undercuts and ideal for fixed position probe heads.

Avoid having to reposition your probe.

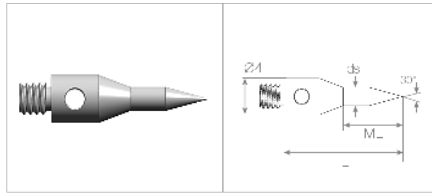


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Point Styli, Carbide

M3

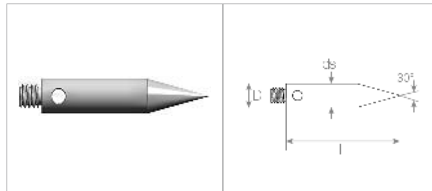


- ⊕ Tip: Point
- ⊕ Tip: Carbide
- ⊕ Shank: Steel, hardened

Order Number	L	ML	ds	Point	Wt.
STY-N30-13-3NTS	13.0	5.0	1.5	30°	0.7
STY-N60-13-3NTS	13.0	5.0	1.5	60°	0.7

M3

Point Stylus / Carbide, "R" Type



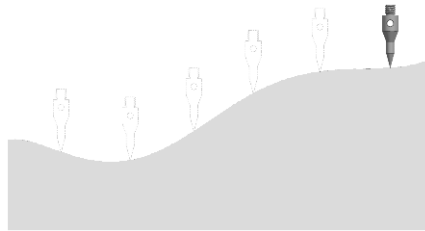
- ⊕ Tip: Point
- ⊕ Tip: Steel, hardened
- ⊕ Shank: Steel, hardened

Order Number	L	ds	D	Point	Wt.
STY-R7020-M3	15.0	3.0	3.0	30°	0.7

Point Styli
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SOLUTIONS® How it Works

Popular inspection applications for point styli are points on surface measurements, scribe lines and thread root depth. Ideal for reducing vector errors and when taking points manually.



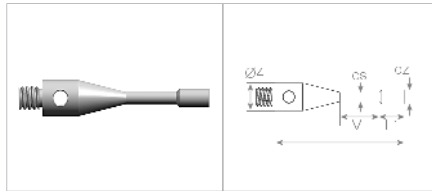
Choose PWM carbide pointer designs for rugged, prolonged use. Check for wear and replace often for best results.



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M3

Cylinder Styli, Carbide



- ⊕ Cylinder: Carbide
- ⊕ Shank: Carbide
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

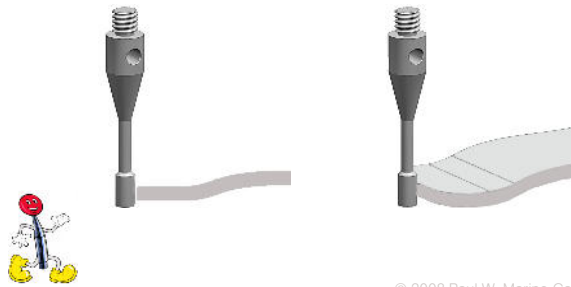
M3

Order Number	L	ML	L1	dz	ds	Wt.
STY-N1.5-14-3NZTH	14.0	6.0	2.5	1.5	1.0	0.9
STY-N3.0-16-3NZTH	16.0	8.0	3.5	3.0	1.5	1.1

Cylinder Styli
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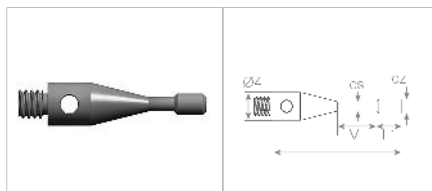
SOLUTIONS®
How it Works

Cylinder styli are great for measuring pierced sheet metal, cut-outs and edges.



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Cylinder Styli, Steel

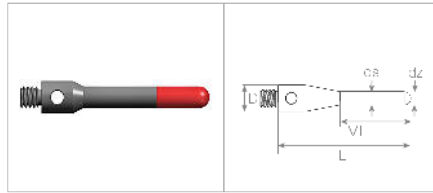


- ⊕ Cylinder: Stainless Steel
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	L	ML	L1	dz	ds	Wt.
STY-N1.5-3NZTS	13.0	4.0	1.5	1.5	1.0	0.7
STY-N2.0-13-3NZTS	13.0	4.0	2.0	2.0	1.5	0.8
STY-N2.5-15-3NZTS	15.0	5.5	2.5	2.5	1.7	0.9
STY-N3.0-15-3NZTS	15.0	5.5	4.0	3.0	2.0	1.0

Cylinder Styli, Steel / Ruby

M3

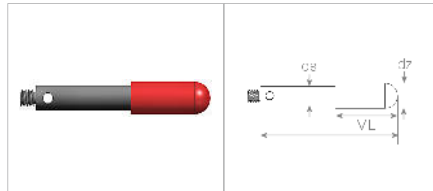


- ⊕ Radius: Ruby
- ⊕ Cylinder: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	L	ML	L1	dz	ds	Wt.
STY-N2.0-16-3NZRA	16.0	8.0	5.0	2.0	—	0.7
STY-N3.0-22-3NZRA	22.0	14.0	10.0	3.0	—	0.9

M3

Cylinder Styli, Steel / Ruby

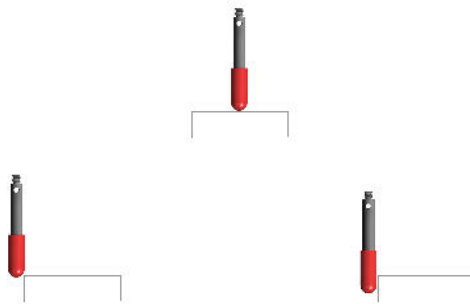


- ⊕ Radius: Ruby
- ⊕ Cylinder: Ruby
- ⊕ Shank: Stainless Steel

Order Number	L	ML	L1	dk	ds	Wt.
STY-N4.0-22-3NZRB	22.0	10.0	—	4.0	4.0	1.6

Cylinder Styli
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SOLUTIONS® "How it Works"



Cylinder styli are designed for sheet metal edge and surface measurements.

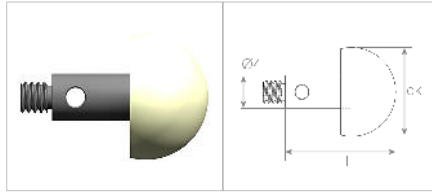
See page 45 for special sheet metal kits and save.



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M3

Half Sphere Styli, Steel / Ceramic



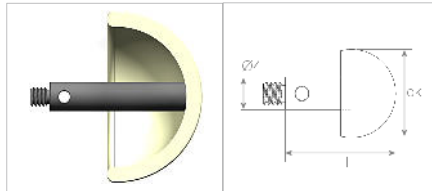
- ⊕ Sphere: Ceramic, Solid
- ⊕ Shank: Stainless Steel

M3

Order Number	L	ML	L1	dk	ds	Wt.
STY-N8.0-10-3NKK	10.0	—	—	8.0	—	1.4
STY-N10.0-11-3NKK	11.0	—	—	10.0	—	2.0

Half Sphere Styli
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Sphere Styli, Hollow, Steel / Ceramic

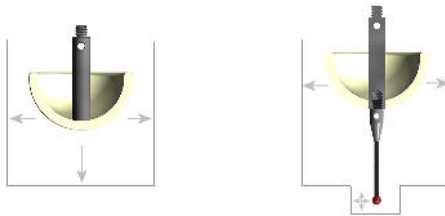


- ⊕ Sphere, Ceramic, hollow
- ⊕ Shank: Stainless Steel

Order Number	L	ML	L1	dk	ds	Wt.
STY-N18.0-16-3NHKE	16.0	—	—	18.0	—	4.9
STY-N24.0-19-3NHKE	19.0	—	—	24.0	—	9.2
STY-N30.0-22-3NHKE	22.0	—	—	30.0	—	13.4

SOLUTIONS®
"How it works"

Lightweight, non-magnetic hollow ceramic spheres are great for large, deep bores.

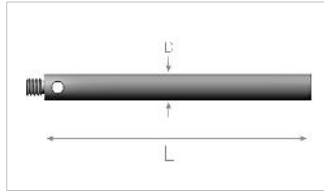


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Extensions, Stainless Steel

M3

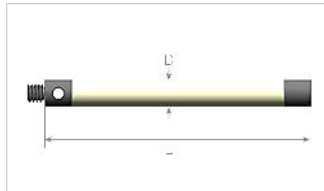


- ⊕ Shank: Stainless Steel
- ⊕ Threads: Stainless Steel
- ⊕ Standard lengths shown

Order Number	L	ML	ds	D	Wt.
STY-N10-3NV	10.0	—	—	4.0	0.7
STY-N20-3NV	20.0	—	—	4.0	1.3
STY-N30-3NV	30.0	—	—	4.0	1.8
STY-N35-3NV	35.0	—	—	4.0	2.2
STY-N40-3NV	40.0	—	—	4.0	2.4
STY-N50-3NV	50.0	—	—	4.0	2.9

M3
 Extensions
 © 2006 Paul W. Marino Gages, Inc.

Extensions, Ceramic

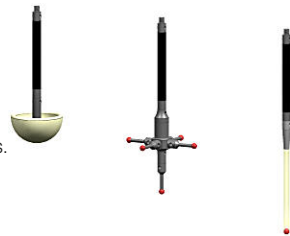


- ⊕ Shank: Ceramic
- ⊕ Threads: Stainless Steel
- ⊕ Non-magnetic shank

Order Number	L	ML	ds	D	Wt.
STY-N40-3NVK	40.0	—	—	4.0	3.4
STY-N50-3NVK	50.0	—	—	4.0	3.6
STY-N60-3NVK	60.0	—	—	4.0	4.1
STY-N70-3NVK	70.0	—	—	4.0	4.4
STY-N80-3NVK	80.0	—	—	4.0	4.6
STY-N90-3NVK	90.0	—	—	4.0	5.6
STY-N100-3NVK	100.0	—	—	4.0	7.1

SOLUTIONS® How it works

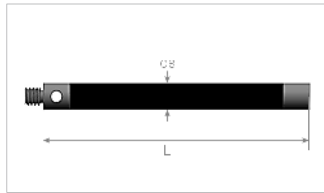
Lightweight extensions allow longer probe access on high speed CMMs, are non-magnetic and increase the life of probe heads.



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M3

Extensions, Carbon Fiber



- ⊕ Shanks: Carbon Fiber
- ⊕ Threads: Stainless Steel
- ⊕ Non-magnetic shank

M3

Extensions and Knuckle Adapters

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Order Number	L	ML	ds	D	Wt.
STY-N40-3NVCA	40.0	–	–	4.0	1.4
STY-N50-3NVCA	50.0	–	–	4.0	1.7
STY-N60-3NVCA	60.0	–	–	4.0	1.8
STY-N70-3NVCA	70.0	–	–	4.0	2.1
STY-N80-3NVCA	80.0	–	–	4.0	2.2
STY-N90-3NVCA	90.0	–	–	4.0	2.3
STY-N100-3NCA	100.0	–	–	4.0	2.5

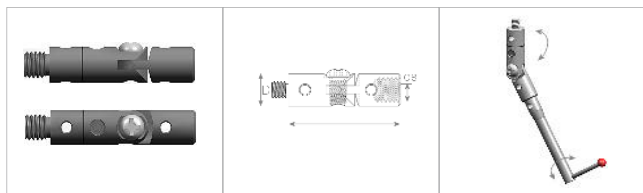
SOLUTIONS® "How it works"



Choose ceramic for light weight and stable performance – carbon fiber saves even more weight but is not as stable.

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Knuckles

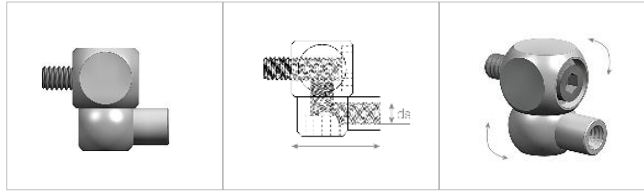


- ⊕ Knuckle joint, rotary
- ⊕ Stainless Steel
- ⊕ Screws are replaceable, stainless steel Phillips type
- ⊕ Nylon washers for long life

Order Number	dk	ds	L	D	Wt.
STY-N4.0-17-3NGBD	–	M3	18.0	4.0	1.5

Adapter, Swivel, "R" Type

M3



- ⊕ Stainless Steel
- ⊕ Swivel joint adapter
- ⊕ M3 male to M3 female threads

Order Number	L	Male	ds	Wt.
STY-R70K3	11.85	M3	M3	3.7

M3

Solutions®
"Be Creative!"

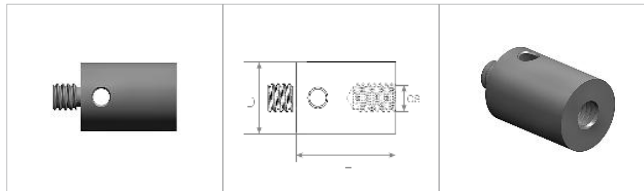
Knuckle
M3 Stylus
Rotary Adapter
Star Stylus

Save time and avoid repositioning your probe head.

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Adapters, Swivel and Crossover
© 2006 Paul W. Marino Gages, Inc.

Crossover Adapters

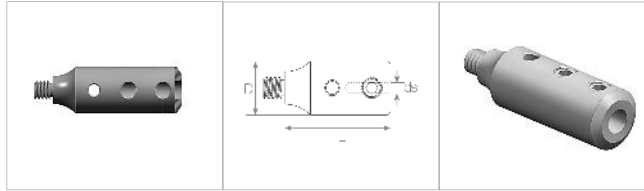


- ⊕ Crossover adapter
- ⊕ Stainless Steel
- ⊕ Use styli of differing threads on M2 probes.

Order Number	Male	ds	L	D	Wt.
STY-NAR6A	M3	M2	5.0	5.0	0.8
STY-NAR6B	M3	M3	6.0	4.0	0.8

M3

Crossover Adapters



M3
 Adapters, Crossover and Star
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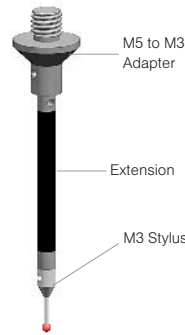
- ⊕ Adapter, Pin to M3
- ⊕ Stainless Steel
- ⊕ For use with Type F, Type N or Type H pin styli (pages 140–142)
- ⊕ Ideal for long pin styli: features two set screws for secure fastening

Order Number	dk	ds	L	D	Wt.
STY-N1.0-3NHZ	—	1.0	14.0	5.0	1.7
STY-N1.5-3NHZ	—	1.5	14.0	5.0	1.7
STY-N2.0-3NHZ	—	2.0	14.0	5.0	2.0

SOLUTIONS- "How it Works"

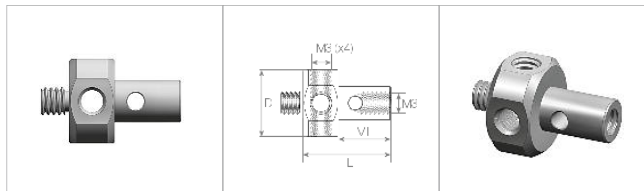
Use crossover adapters to convert styli for use on systems designed for other threads.

Not sure which one to use?
Contact us for help building a custom configuration from standard components.



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Star Adapters



- ⊕ Adapter, non-rotary
- ⊕ Stainless Steel
- ⊕ Use up to five M3 styli

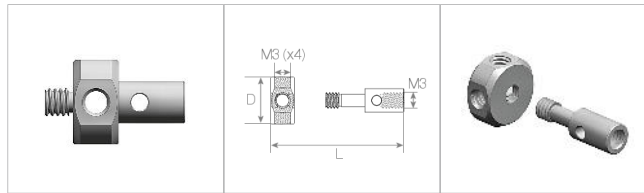
Order Number	ds	L	ML	D	Wt.
STY-N9.0-11-3NTHA	M3	11.0	6.0	9.0	2.6

Phone (586) 759-2400
www.pmarginc.com

Fax: (586) 759-2423
pwminc@covad.net

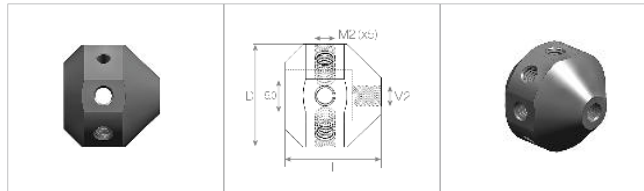
Star Adapters

M3



- ⊕ Adapter, rotary
- ⊕ Stainless Steel
- ⊕ Use up to five M3 styli

Order Number	ds	L	ML	D	Wt.
STY-N10.0-13-3NTHF	M3	13.0	5.5	10.0	3.3

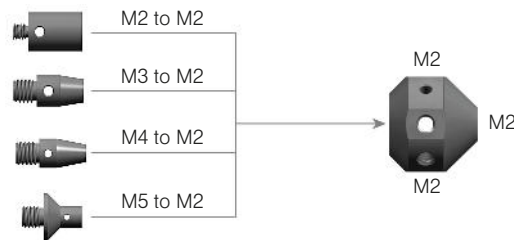


- ⊕ Adapter, rotary
- ⊕ Stainless Steel
- ⊕ Use up to five M2 styli
- ⊕ Use M3 crossover adapters on page 67-68

Order Number	dk	ds	L	D	Wt.
STY-N9.5-9NTHC	—	—	9.0	9.5	2.8

SOLUTIONS® How it Works

Create star configurations that adapt and rotate using crossover adapters on rotary star adapter NTHC. You can position the arms of your star and tighten in desired position. See M2 section for styli that are compatible with this adapter.



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M3

Stylus Tools



- ⊕ Hex wrench
- ⊕ Steel
- ⊕ Used for set screws

M3
 TOOLS
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Order Number	ds	L
STY-HW0.7	0.7	33.0
STY-HW0.8	0.8	69.0
STY-HW0.9	0.9	39.0
STY-HW1.25	1.25	92.0
STY-HW1.5	1.5	45.0
STY-HW2.0	2.0	51.0
STY-HW2.5	2.5	56.0
STY-HW3.0	3.0	65.0



- ⊕ Hex wrench
- ⊕ Steel
- ⊕ Knurled handle
- ⊕ Used to tighten set screws and accessories

Order Number	ds	L	D
STY-N0.9NWSE	0.9	46.0	5.0



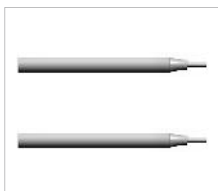
- ⊕ Screw driver
- ⊕ Steel
- ⊕ Phillips, 90°
- ⊕ Used for set screws

Order Number	ds	L	D
STY-N2.5NWKR	2.5	45.0	5.0



Stylus Tools

M3



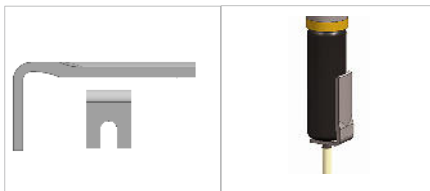
- ⊕ Pin Tool
- ⊕ Steel
- ⊕ Knurled handle
- ⊕ Sold in packs of two
- ⊕ Used to tighten styli and accessories

Order Number	ds	L	D
STY-N1.3NWST	1.3	40.0	3.0



- ⊕ Pin tool
- ⊕ Steel
- ⊕ Used to tighten styli and accessories

Order Number	ds	L
STY-R70S7	1.18	23.0



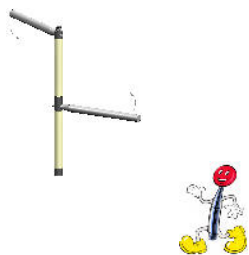
- ⊕ Spanner wrench
- ⊕ Stainless steel
- ⊕ Holds probe while tightening styli

Order Number	L
STY-R70S8	21.0

SOLUTIONS- "How it Works"

Tighten gently and properly with a set of tools and extend the life of your components. See more tools on pages 70-72..

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Tools
M3
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M3

Stylus Tools



- ⊕ C Spanner Wrench
- ⊕ Stainless steel
- ⊕ Used to tighten probe extensions

M3
 TOOLS
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Order Number	L
STY-13.0NWHA	60.0



- ⊕ C Spanner wrench
- ⊕ Steel
- ⊕ Single ended

Order Number	L
STY-R70S1	20.0

Solutions®
"How it works"

Save your probes by always using the proper tools to install adapters.



See more tools on pages 70-72.



Hex Keys, for tightening set screws



Pin Keys, for tightening stylus and accessory assemblies



Philips Head, for tightening set screws and accessories



Probe spanner, for tightening extensions into probes

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Storage Cases

M3

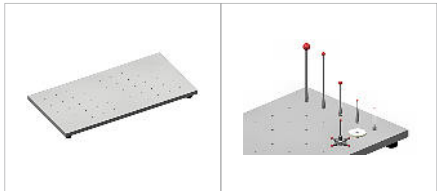


- ⊕ Holds up to 24 M3 components
- ⊕ Create a custom kit as your stylus collection grows.

Order Number	Description
STY-N24-3NHSB	Wood storage case with M3 threaded plate holds 24 pieces.

M3

Storage Plates



- ⊕ Storage plates
- ⊕ Anodized aluminum finish
- ⊕ Upright storage in threaded holes
- ⊕ Special order

Order Number	Description
STY-PWMSPM3ALU	Storage plate for M3 styli and accessories

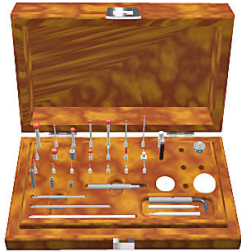
Storage
© 2006 Paul W. Marino Gages, Inc.

SOLUTIONS® "How it works"

PWM stylus kits offer a diverse selection of the most requested styli and accessories needed to carry out even the most complicated measurements.

The threaded storage plate contains several extra recesses allowing for the expansion or customization of standard kits.

All 21 piece and larger kits include a well-built wooden case that protects your collection from dust or damage.



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M3

M3 Stylus Kit, 21 Pieces



- ⊕ Kit features our most requested styli and accessories
- ⊕ Kit contents: 11 ruby styli, 3 extensions, 2 adapters, 4 tools, 1 wooden case

M3 Stylus Kit
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PWM Order Number: STY-N20-3NTA, 21 piece stylus kit in wooden case

Contents	Qty	Description
STY-N1.0-10.5-3NTB	1	Stylus 10.5mm x 1.0mm
STY-N1.0-20.5-3NTB	1	Stylus 20.5mm x 1.0mm
STY-N2.0-16-3NTB	1	Stylus 16mm x 2.0mm
STY-N2.0-36-3NTB	1	Stylus 36mm x 2.0mm
STY-N3.0-31.5-3NTB	1	Stylus 31.5mm x 3.0mm
STY-N3.0-41.5-3NTB	1	Stylus 41.5mm x 3.0mm
STY-N4.0-32-3NTC	1	Stylus 32mm x 4.0mm
STY-N4.0-42-3NTB	1	Stylus 42mm x 4.0mm
STY-N4.0-52-3NTCA	1	Stylus 52mm x 4.0mm
STY-N5.0-52.5-3NTKE	1	Stylus 52.5mm x 5.0mm
STY-N6.0-63-3NTCA	1	Stylus 63mm x 6.0mm
STY-N10-3NV	1	Extension 10mm
STY-N20-3NV	1	Extension 20mm
STY-N30-3NV	1	Extension 30mm
STY-N4.0-17-3NGBD	1	Knuckle joint 18mm x 4.0mm
STY-N10.0-13-3NTHF	1	Stylus holder for 5 M3 Styli
STY-N0.9NWSE	1	Hexagon key 0.9mm
STY-N1.3NWST	2	Pin key, 1.3mm
STY-N2.5-NWKR	1	Cross-point key, 2.5mm
STY-N24-3NHSB	1	Wooden case for 24 pieces

