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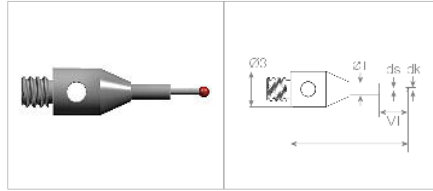
Centerline Locators

M2

### Ruby Ball Styli, Carbide Shank



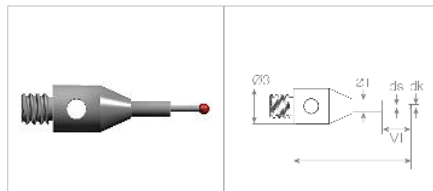
Ruby Ball Styli  
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- ⊕ Ball: Ruby
- ⊕ Shank: Carbide, reduced
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	dk	ds	L	ML	Wt.
STY-N0.2-10-2NTA	0.2	0.15	10.0	1.5	0.3
STY-N0.25-10-2NTA	0.25	0.2	10.0	2.5	0.3
STY-N0.3-10-2NTA	0.3	0.2	10.0	2.5	0.3
STY-N0.4-10-2NTA	0.4	0.3	10.0	2.5	0.3
STY-N0.5-10-2NTA	0.5	0.3	10.0	2.5	0.3
STY-N0.6-10-2NTA	0.6	0.4	10.0	2.5	0.3
STY-N0.6-12-2NTA	0.6	0.4	12.2	4.5	0.3
STY-N0.7-10-2NTA	0.7	0.4	10.0	2.5	0.3
STY-N0.7-12-2NTA	0.7	0.4	12.2	4.5	0.3
STY-N0.8-10-2NTA	0.8	0.6	10.0	2.5	0.3
STY-N0.8-12-2NTA	0.8	0.6	12.2	4.5	0.3
STY-N0.9-10-2NTA	0.9	0.6	10.0	2.5	0.3
STY-N0.9-12-2NTA	0.9	0.6	12.2	4.5	0.3
STY-N1.0-10-2NTA	1.0	0.8	10.0	2.5	0.3
STY-N1.0-12-2NTA	1.0	0.8	12.2	4.5	0.3

### Ruby Ball / Carbide Shank, "R" Type



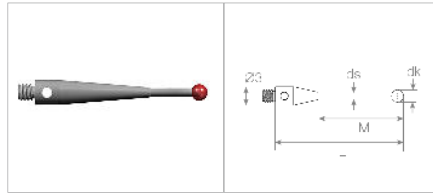
- ⊕ Ball: Ruby
- ⊕ Shank: Carbide, reduced
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	dk	ds	L	ML	Wt.
STY-R7029	0.3	0.2	10.0	2.5	0.3
STY-R7010	0.5	0.4	10.0	2.5	0.3

"Specials are our specialty"®

## Ruby Ball Styli, Carbide Shank

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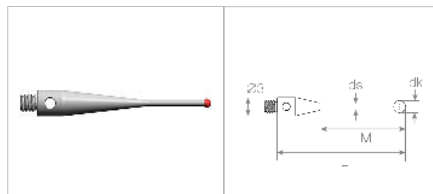
- ⊕ Ball: Ruby
- ⊕ Shank: Carbide
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel



Order Number	dk	ds	L	ML	Wt.
STY-N0.5-20-2NTBS	0.5	0.3	20.0	7.0	0.5
STY-N0.5-21-2NTBS	0.5	0.3	21.0	2.5	0.6
STY-N1.0-20.5-2NTBS	1.0	0.7	20.5	6.5	0.6
STY-N1.5-21-2NTBS	1.5	0.7	21.0	7.0	0.6
STY-N2.0-21-2NTBS	2.0	1.0	21.0	7.0	0.7

Ruby Ball Styli  
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## Ruby Ball / Carbide Shank, "R" Type



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

Order Number	dk	ds	L	ML	Wt.
STY-R7023	1.0	0.7	20.0	7.0	0.60
STY-R7048	1.0	0.8	20.0	15.0	0.41
STY-R7049	1.5	1.0	20.0	15.0	0.46
STY-R7050	5.0	2.5	20.0	15.0	1.98

SOLUTIONS®  
"How it works"

### PWM "R" Type



R Type probes use the original stylus shank and ferrule configuration from many years ago. PWM manufactures this style to carry on the tradition. See many diverse stylus designs in this catalog to get the working length and diameter you need.



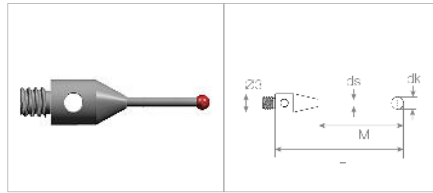
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M2

## Ruby Ball Styli, Carbide Shank



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

Order Number	dk	ds	L	ML	Wt.
STY-N0.7-20-2NTB	0.7	0.5	20.0	12.0	0.3
STY-N1.0-10.5-2NTB	1.0	0.7	10.5	5.5	0.3
STY-N1.0-15.5-2NTB	1.0	0.7	15.5	10.5	0.3
STY-N1.0-20.5-2NTB	1.0	0.7	20.5	15.5	0.3
STY-N1.0-27.5-2NTB	1.0	0.7	27.5	20.5	0.4
STY-N1.0-30.5-2NTB	1.0	0.7	30.5	23.5	0.3
STY-N1.5-11-2NTB	1.5	0.7	11.0	6.0	0.3
STY-N1.5-16-2NTB	1.5	0.7	16.0	11.0	0.3
STY-N1.5-21-2NTB	1.5	0.7	21.0	16.0	0.3
STY-N1.5-31-2NTB	1.5	0.7	31.0	24.0	0.3
STY-N2.0-16-2NTB	2.0	1.0	16.0	9.0	0.4
STY-N2.0-21-2NTB	2.0	1.0	21.0	14.0	0.4
STY-N2.0-26-2NTB	2.0	1.0	26.0	19.0	0.5
STY-N2.0-31-2NTB	2.0	1.0	31.0	24.0	0.5
STY-N2.0-36-2NTB	2.0	1.0	36.0	29.0	0.6
STY-N2.0-41-2NTB	2.0	1.0	41.0	34.0	0.6
STY-N2.5-11-2NTB	2.5	1.0	11.0	4.0	0.3
STY-N2.5-16-2NTB	2.5	1.0	16.0	9.0	0.4
STY-N2.5-21-2NTB	2.5	1.0	21.0	14.0	0.4
STY-N2.5-31-2NTB	2.5	1.5	31.0	24.0	1.0
STY-N2.5-41-2NTB	2.5	1.5	41.0	34.0	1.2
STY-N3.0-11.5-2NTB	3.0	1.5	11.5	6.5	0.7
STY-N3.0-21.5-2NTB	3.0	1.5	21.5	14.5	0.9
STY-N3.0-31.5-2NTB	3.0	1.5	31.5	24.5	1.1
STY-N3.0-36.5-2NTB	3.0	1.5	36.5	29.5	1.2
STY-N3.0-41.5-2NTB	3.0	1.5	41.5	31.5	1.3
STY-N3.0-46.5-2NTB	3.0	1.5	46.5	36.5	1.5
STY-N3.0-51.5-2NTB	3.0	1.5	51.5	41.5	1.6

Continued on next page

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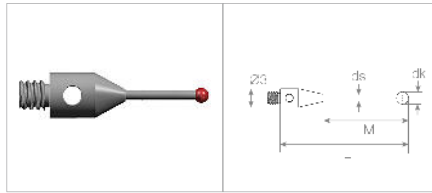
Use these tools to properly assemble your  
styli configurations. See more on pages 40-42.



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## Ruby Ball Styli, Carbide Shank

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



Continued from previous page

Order Number	dk	ds	L	ML	Wt.
STY-N4.0-22-2NTB	4.0	2.0	22.0	12.0	1.1
STY-N4.0-32-2NTB	4.0	2.0	32.0	22.0	1.6
STY-N4.0-37-2NTB	4.0	2.0	37.0	27.0	1.8
STY-N4.0-42-2NTB	4.0	2.0	42.0	32.0	2.1
STY-N4.0-47-2NTB	4.0	2.0	47.0	37.0	2.3
STY-N4.0-52-2NTB	4.0	2.0	52.0	52.0	2.5
STY-N5.0-22.5-2NTB	5.0	2.0	22.5	12.5	1.3
STY-N5.0-32.5-2NTB	5.0	2.0	32.5	22.5	1.7
STY-N5.0-37.5-2NTB	5.0	2.0	37.5	27.5	2.0
STY-N5.0-42.5-2NTB	5.0	2.0	42.5	32.5	2.2
STY-N5.0-47.5-2NTB	5.0	2.0	47.5	37.5	2.4
STY-N5.0-52.5-2NTB	5.0	2.0	52.5	42.5	2.6
STY-N6.0-33-2NTB	6.0	2.0	33.0	23.0	1.9
STY-N6.0-38-2NTB	6.0	2.0	38.0	28.0	2.1
STY-N6.0-43-2NTB	6.0	2.0	43.0	33.0	2.4
STY-N6.0-48-2NTB	6.0	2.0	48.0	38.0	2.6
STY-N6.0-53-2NTB	6.0	2.0	53.0	43.0	2.8

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Long shanks at work

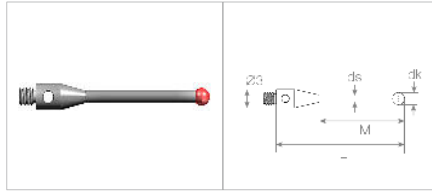


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M2 Ruby Ball / Carbide Shank, "R" Type



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

Order Number	dk	ds	L	ML	Wt.
STY-R7027	2.5	1.0	20.0	14.0	0.4
STY-R7016	3.0	1.5	20.0	17.5	0.5
STY-R7017	4.0	2.0	20.0	20.2	0.6
STY-R7051	1.0	0.7	30.0	20.5	0.40
STY-R7052	1.5	1.0	30.0	25.0	0.58
STY-R7053	2.0	1.5	30.0	25.0	0.99
STY-R7054	2.5	2.0	30.0	25.0	1.48
STY-R7055	3.0	2.0	30.0	25.0	1.49
STY-R7056	4.0	2.0	30.0	25.0	1.57
STY-R7057	5.0	2.5	30.0	25.0	2.57
STY-R7058	2.0	1.5	40.0	35.0	1.29
STY-R7059	2.5	2.0	40.0	35.0	1.95
STY-R7060	3.0	2.0	40.0	35.0	1.97
STY-R7061	4.0	2.0	40.0	35.0	2.04
STY-R7062	5.0	2.5	40.0	35.0	3.17
STY-R7063	3.0	2.0	50.0	42.5	2.44
STY-R7064	4.0	2.0	50.0	42.5	2.52
STY-R7065	5.0	2.5	50.0	50.0	3.75

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"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.

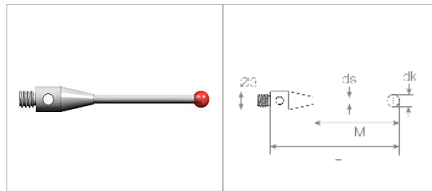
Carbide is a compound metal.



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## Ruby Ball Styli, Steel Shank

M2



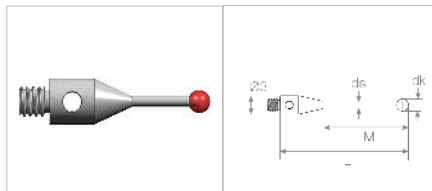
- ⊕ Ball: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

M2

Order Number	dk	ds	L	ML	Wt.
STY-N1.0-10.5-2NTC	1.0	0.7	10.5	5.0	0.3
STY-N1.5-11-2NTC	1.5	1.0	11.0	6.0	0.3
STY-N2.0-11-2NTC	2.0	1.2	11.0	7.0	0.3
STY-N2.0-16-2NTC	2.0	1.2	16.0	12.0	0.3
STY-N2.0-21-2NTC	2.0	1.4	21.0	15.0	0.3
STY-N2.5-11-2NTC	2.5	1.5	11.0	7.0	0.3
STY-N2.5-21-2NTC	2.5	1.5	21.0	12.0	0.4
STY-N3.0-11.5-2NTC	3.0	2.0	11.5	8.0	0.4
STY-N3.0-21.5-2NTC	3.0	2.0	21.5	18.0	0.6
STY-N4.0-12-2NTC	4.0	2.4	12.0	9.0	0.5
STY-N4.0-22-2NTC	4.0	2.4	22.0	19.0	0.9

Ruby Ball Styli  
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## Ruby Ball / Steel Shank, "R" Type



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

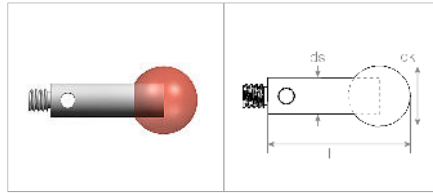
Order Number	dk	ds	L	ML	Wt.
STY-R709	1.0	0.7	10.0	4.5	0.3
STY-R7024	1.5	0.7	10.0	4.5	0.3
STY-R708	2.0	1.0	10.0	6.0	0.3
STY-R702	2.0	1.4	20.0	14.0	0.4
STY-R7026	2.5	1.0	10.0	6.0	0.3
STY-R701	3.0	1.5	10.0	7.5	1.4
STY-R7012	4.0	1.5	10.0	10.0	0.4
STY-R7013	5.0	2.5	10.0	10.0	0.7
STY-R7014	6.0	2.5	10.0	10.0	0.9
STY-R7015	8.0	2.5	11.0	11.0	1.5

M2

### Ruby Ball Styli, Steel Shank



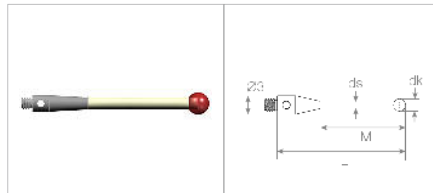
Ruby Ball Styli  
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- ⊕ Ball: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: None

Order Number	dk	ds	L	ML	Wt.
STY-N5.0-12.5-2NTD	5.0	3.0	12.5	—	0.7
STY-N5.0-27.5-2NTD	5.0	3.0	27.5	—	1.6
STY-N6.0-13-2NTD	6.0	3.0	13.0	—	0.9
STY-N6.0-28-2NTD	6.0	3.0	28.0	—	1.7
STY-N8.0-14-2NTD	8.0	3.0	14.0	—	1.3
STY-N8.0-28-2NTD	8.0	3.0	28.0	—	1.9

### Ruby Ball Styli, Ceramic Shank



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

Order Number	dk	ds	L	ML	Wt.
STY-N3.0-51.5-2NTKE	3.0	2.0	51.5	41.5	1.4
STY-N4.0-32-2NTKE	4.0	2.0	32.0	22.0	1.4
STY-N4.0-42-2NTKE	4.0	2.0	42.0	32.0	1.5
STY-N4.0-52-2NTKE	4.0	2.0	52.0	42.0	1.6
STY-N5.0-32.5-2NTKE	5.0	2.0	32.5	22.5	1.5
STY-N5.0-42.5-2NTKE	5.0	2.0	42.5	32.5	1.6
STY-N5.0-52.5-2NTKE	5.0	2.0	52.5	42.5	1.6
STY-N6.0-33-2NTKE	6.0	2.0	33.0	23.0	1.6
STY-N6.0-43-2NTKE	6.0	2.0	43.0	33.0	1.8
STY-N6.0-53-2NTKE	6.0	2.0	53.0	43.0	1.8

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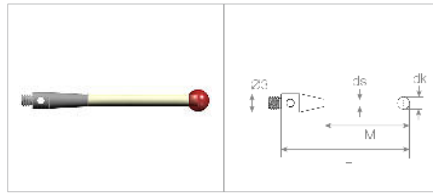


Styli with ceramic and carbon fiber shanks are non-magnetic, feature minimal deflection and are ideal for use on high speed CMMs.

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## Ruby Ball / Ceramic Shank, "R" Type M2



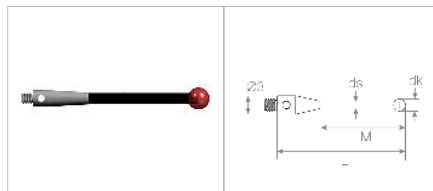
- ⊕ Ball: Ruby
- ⊕ Shank: Ceramic
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

M2

Order Number	dk	ds	L	ML	Wt.
STY-R7066	3.0	2.0	50.0	42.5	0.83
STY-R7067	4.0	2.0	50.0	42.5	0.91
STY-R7069	5.0	2.5	50.0	50.0	1.0

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## Ruby Ball Styli, Carbon Fiber Shank



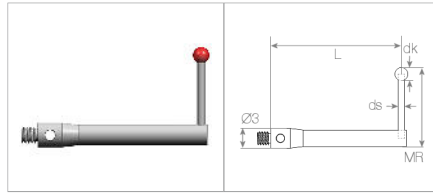
- ⊕ Ball: Ruby
- ⊕ Shank: Carbon Fiber
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	dk	ds	L	ML	Wt.
STY-N4.0-32-2NTCA	4.0	3.0	32.0	22.0	0.6
STY-N4.0-42-2NTCA	4.0	3.0	42.0	32.0	0.7
STY-N4.0-52-2NTCA	4.0	3.0	52.0	42.0	0.7
STY-N4.0-77-2NTCA	4.0	3.0	77.0	67.0	1.0
STY-N4.0-102-2NTCA	4.0	3.0	102.0	92.0	1.3
STY-N5.0-32.5-2NTCA	5.0	3.0	32.5	22.5	0.7
STY-N5.0-42.5-2NTCA	5.0	3.0	42.5	32.5	0.7
STY-N5.0-52.5-2NTCA	5.0	3.0	52.5	42.5	0.9
STY-N5.0-77.5-2NTCA	5.0	3.0	77.5	67.5	1.2
STY-N5.0-102.5-2NTCA	5.0	3.0	102.5	92.5	1.4
STY-N6.0-33-2NTCA	6.0	3.0	33.0	23.0	0.9
STY-N6.0-43-2NTCA	6.0	3.0	43.0	33.0	1.0
STY-N6.0-53-2NTCA	6.0	3.0	53.0	43.0	1.0
STY-N6.0-78-2NTCA	6.0	3.0	78.0	68.0	1.3
STY-N6.0-103-2NTCA	6.0	3.0	103.0	93.0	1.6

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M2

### "L" Style, Carbide, Ruby Ball

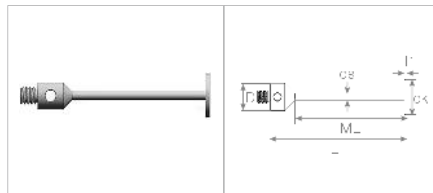


- ⊕ Ball: Ruby
- ⊕ Shank: Carbide
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

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Ruby Ball and Disc Styli

Order Number	dk	ds	L	MR	Wt.
STY-N1.0-6-2NLT	1.0	0.6	15.0	6.0	0.4
STY-N2.0-12-2NLT	2.0	1.0	20.0	12.0	0.4

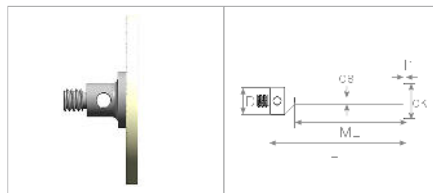
### Disc Styli, Ceramic



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

Order Number	L	H1	dk	ds	D	Wt.
STY-N5.0-20NKSK	20.0	0.5	5.0	1.0	3.0	0.6
STY-N10.0-25NKSK	25.0	0.8	10.0	1.5	3.0	1.5
STY-N14.0-25NKSK	25.0	1.0	14.0	1.5	3.0	3.0

### Disc Styli, Ceramic



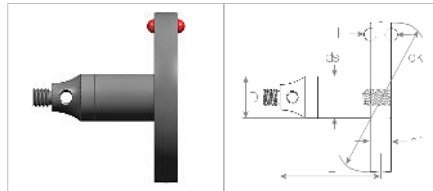
- ⊕ Disc: Ceramic
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	L	H1	dk	ds	D	Wt.
STY-N15.0-4-2NKSE	4.0	1.0	15.0	—	5.0	0.9
STY-N20.0-4-2NKSE	4.0	1.0	20.0	—	5.0	1.4

Buy online at [www.shoppwm.com](http://www.shoppwm.com)

## Disc Styli, Steel / Ruby

M2



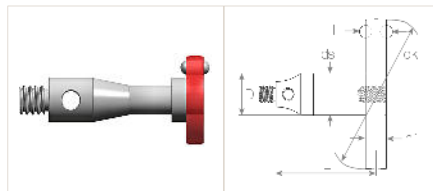
- ⊕ Ball: Ruby
- ⊕ Disc: Stainless Steel
- ⊕ Ferrule: Rotary
- ⊕ Ferrule: Stainless Steel



Order Number	L	H	h1	dk	D	Wt.
STY-N18.0-12NKSD	12.0	4.0	2.5	18.0	5.0	2.8
STY-N25.0-12NKSD	12.0	4.0	2.5	25.0	5.0	3.9
STY-N40.0-12NKSD	12.0	6.0	4.0	40.0	5.0	11.0

Disc Styli  
© 2006 Paul W. Marino Gages, Inc.

## Disc Styli, Ruby, "R" Type

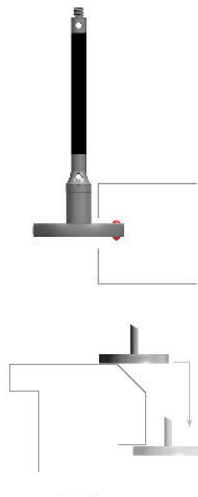


- ⊕ Ball: Carbide
- ⊕ Disc: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	L	H1	H	dk	D	Wt.
STY-R703	10.0	2.0	6.0	1.2	—	0.6

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"

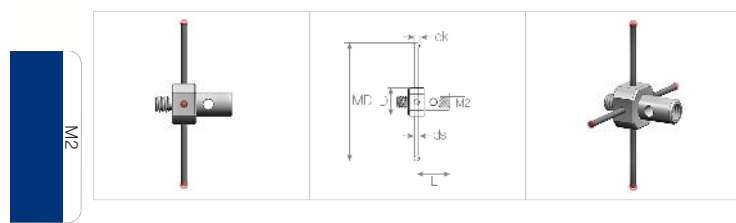


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M2

### Star Styli, Carbide / Ruby



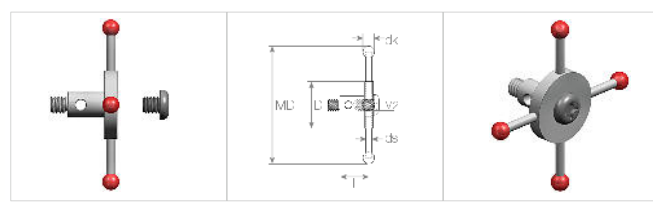
M2

Star Styli  
© 2006 Paul W. Marano Gages, Inc.

- ⊕ Ball: Ruby
- ⊕ Shank: Carbide
- ⊕ Ferrule: Stainless Steel, Rotary
- ⊕ M2 thread in center accepts stylus.

Order Number	dk	ds	D	MD	Wt.
STY-N0.5-10.5-2NSTF	0.5	0.3	5.0	10.5	0.9
STY-N0.5-20.5-2NSTF	0.5	0.3	5.0	20.5	1.0
STY-N1.0-11-2NSTF	1.0	0.7	5.0	11.0	1.2
STY-N1.0-21-2NSTF	1.0	0.7	5.0	21.0	1.4

### Star Styli, Carbide / Ruby



- ⊕ Ball: Ruby
- ⊕ Shank: Carbide
- ⊕ Ferrule: Stainless Steel, Rotary
- ⊕ M2 thread in center accepts stylus.

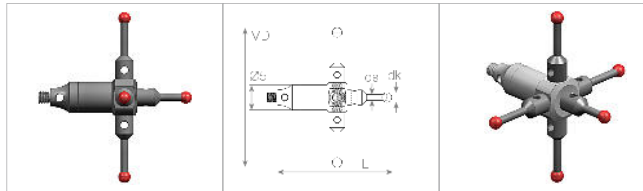
Order Number	dk	ds	D	MD	Wt.
STY-N1.0-12NSTK	1.0	0.6	6.0	12.0	0.5g
STY-N1.0-16NSTK	1.0	0.6	6.0	16.0	0.6
STY-N2.0-20NSTK	2.0	1.0	8.0	20.0	1.1
STY-N2.0-30NSTK	2.0	1.0	8.0	30.0	1.2

Buy online at [www.shoppwm.com](http://www.shoppwm.com)



## Star Styli, Steel / Ruby

M2



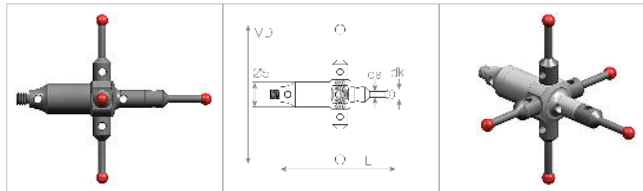
M2

Star Styli  
© 2006 Paul W. Marino Gages, Inc.

- ⊕ Ball: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Stainless Steel, Rotary

Order Number	L	dk	ds	MD	Wt.
STY-N2.0-28NSTB	23.0	2.0	1.2	28.0	3.2
STY-N2.0-38NSTB	23.0	2.0	1.2	38.0	3.2

## Star Styli, Steel / Ruby

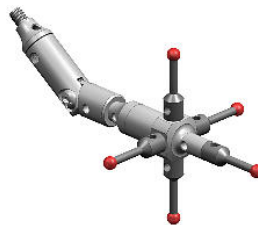


- ⊕ Ball: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Stainless Steel, Rotary

Order Number	L	dk	ds	MD	Wt.
STY-N2.0-28NSTD	30.0	2.0	1.2	28.0	3.5
STY-N2.0-38NSTD	35.0	2.0	1.2	38.0	3.6

### SOLUTIONS@ "Be Creative"

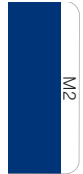
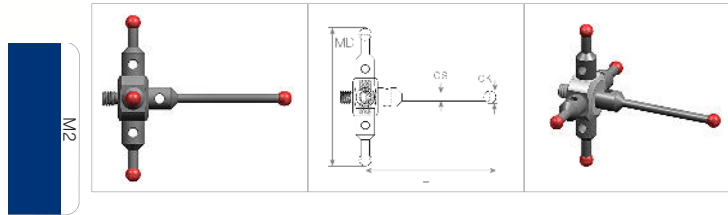
PWM star styli are available with standard fixed arms or create your own custom design with a star adapter on pages 37-39 and any combination of M2 styli. Add a knuckle adapter shown on pages 25-26 for angled access.



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M2

## Star Styli, Steel / Ruby



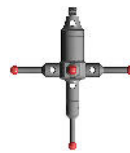
Star Styli  
© 2006 Paul W. Marino Gages, Inc.

- ⊕ 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-N2.0-22-2NSTE	21.0	2.0	1.4	22.0	2.2
STY-N2.0-32-2NSTE	21.0	2.0	1.4	32.0	2.5

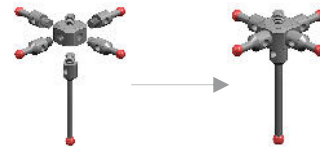
### SOLUTIONS® "How it works"

Select a standard, fixed arm star configuration or be creative and customize your own with reusable PWM adapters on pages 37-39 and up to five standard M2 styli.



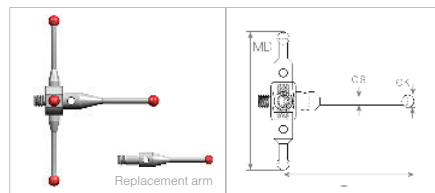
Fixed arm, rotary star stylus (left).

Reusable star adapters allow for easy reconfiguration (below).



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## Star Styli, "R" Type

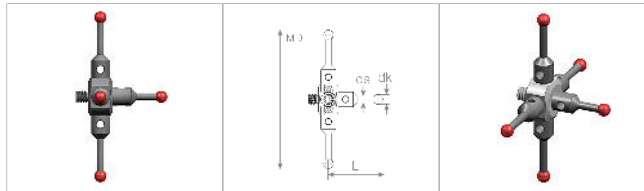


- ⊕ Ball: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Stainless Steel

Order Number	L	dk	ds	MD	Wt.
STY-R706	20.0	2.0	1.4	20.0	—
STY-R707	20.0	2.0	1.4	30.0	2.38
Replacement arms:					
STY-R707CTR	20.0	2.0	1.4	—	—

## Star Styli, Steel / Ruby

M2



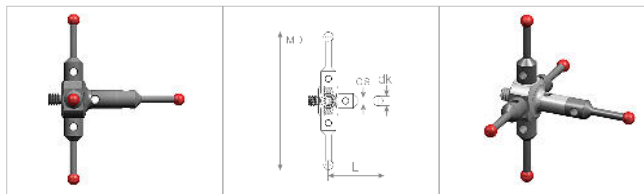
M2

Star Styli  
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- ⊕ Ball: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Stainless Steel, Non-rotary

Order Number	dk	ds	L	MD	Wt.
STY-N2.0-28NSTA	2.0	1.2	11.0	28.0	2.2
STY-N2.0-38NSTA	2.0	1.2	18.0	38.0	2.3

## Star Styli, Steel / Ruby



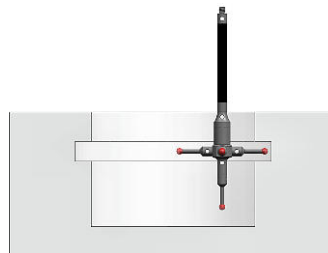
- ⊕ Ball: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Stainless Steel, Non-rotary

Order Number	L	dk	ds	MD	Wt.
STY-N2.0-28NSTC	18.0	2.0	1.2	28.0	2.5
STY-N2.0-38NSTC	23.0	2.0	1.2	38.0	2.6

### SOLUTIONS® "How it works"

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

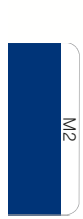
Avoid having to reposition your probe.



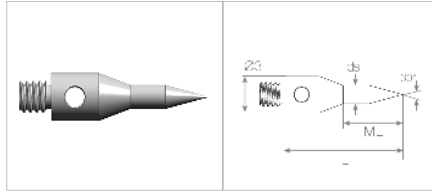
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M2

### Point Styli, Carbide



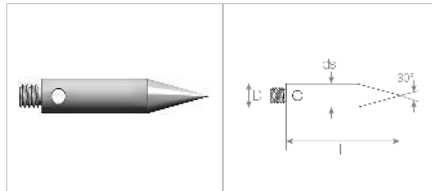
Point Styli  
© 2006 Paul W. Marino Gages, Inc.



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

Order Number	L	ML	ds	β	Wt.
STY-N30-10NTS	10.0	5.0	1.5	30°	0.3
STY-N60-10NTS	10.0	5.0	1.5	60°	0.3

### Point Stylus / Carbide, "R" Type



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

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

#### 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.



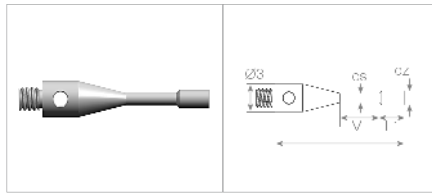
Choose PWM carbide pointer designs for rugged, prolonged use. Check for wear and replace often for best results.

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## Cylinder Styli, Carbide

M2



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

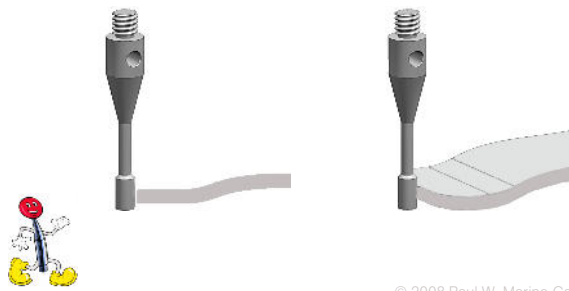
Cylinder M2

Order Number	L	ML	L1	dz	ds	Wt.
STY-N1.5-14NZT	14.0	7.0	2.5	1.5	1.0	0.4
STY-N3.0-16NZT	16.0	9.0	3.5	3.0	1.5	0.6

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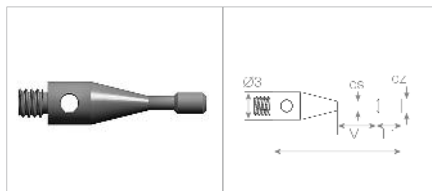
**SOLUTIONS®**  
How it Works

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-N15.11NZTS	11.0	4.0	2.0	1.5	1.0	0.3
STY-N2.0-11NZTS	11.0	4.0	2.5	2.0	1.5	0.3
STY-N2.5-13NZTS	13.0	5.5	2.5	2.5	2.0	0.5
STY-N3.0-13NZTS	13.0	5.5	3.0	3.0	2.0	0.5

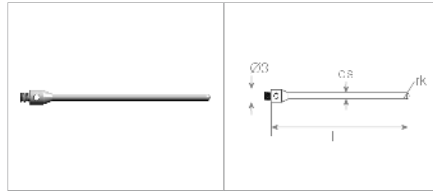
Order Number	L	ML	L1	dz	ds	Wt.
STY-R7018	11.0	1.5	—	1.5	—	0.3
STY-R7019	13.0	3.8	—	3.0	—	0.6

M2

### Cylinder Styli, Carbide, Long



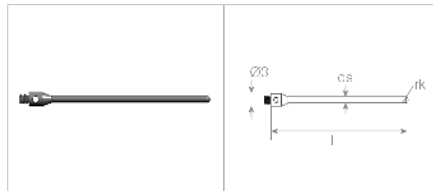
Cylinder Styli  
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- ⊕ Radius: Carbide,
- ⊕ Shank: Carbide
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	L	ML	rk	ds	Wt.
STY-N1.0-20-2NZHD	20.0	—	0.5	1.0	0.4
STY-N1.0-35.5-2NZHD	35.5	—	0.5	1.0	0.4
STY-N1.0-40-2NZHD	40.0	—	0.5	1.0	0.7
STY-N1.5-15.8-2NZHD	15.8	—	0.75	1.5	0.7
STY-N1.5-20-2NZHD	20.0	—	0.75	1.5	0.8
STY-N1.5-40-2NZHD	40.0	—	0.75	1.5	1.3
STY-N2.0-16-2NZHD	16.0	—	1.0	2.0	0.6
STY-N2.0-20-2NZHD	20.0	—	1.0	2.0	0.7
STY-N2.0-40-2NZHD	40.0	—	1.0	2.0	1.3

### Cylinder Styli, Stainless Steel, Long



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

Order Number	L	ML	rk	ds	Wt.
STY-N1.0-20-2NZSD	20.0	—	0.5	1.0	0.4
STY-N1.0-40-2NZSD	40.0	—	0.5	1.0	0.7
STY-N1.5-20-2NZSD	20.0	—	0.75	1.5	0.5
STY-N1.5-40-2NZSD	40.0	—	0.75	1.5	1.0
STY-N2.0-20-2NZSD	20.0	—	1.0	2.0	0.6
STY-N2.0-40-2NZSD	40.0	—	1.0	2.0	1.2

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

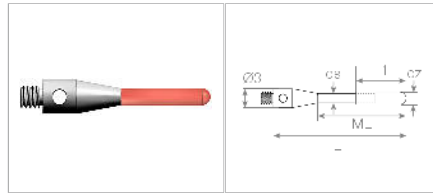


See page 45 for special sheet metal kits and save.

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### Cylinder Styli, Steel / Ruby

M2



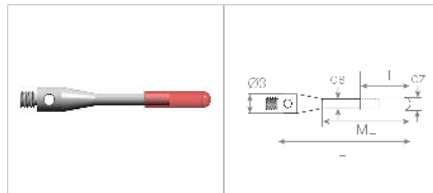
- ⊕ Radius: Ruby
- ⊕ Cylinder: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel



Order Number	L	ML	dz	D	Wt.
STY-N1.0-15-2NZRC	15.0	8.0	1.0	3.0	0.3
STY-N1.5-15-2NZRC	15.0	8.0	1.5	3.0	0.3

Cylinder  
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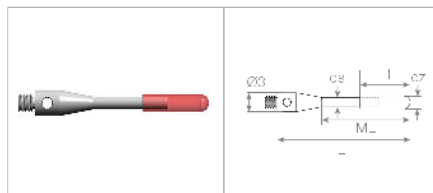
### Cylinder Styli, Steel / Ruby



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

Order Number	L	ML	L1	dz	ds	D	Wt.
STY-N1.0-16NZRA	16.0	12.0	5.0	1.0	1.0	3.0	0.3
STY-N2.0-16NZRA	16.0	12.0	5.0	2.0	2.0	3.0	0.4
STY-N3.0-22NZRA	22.0	18.0	10.0	3.0	3.0	3.0	0.6

### Cylinder Styli, Steel / Ruby



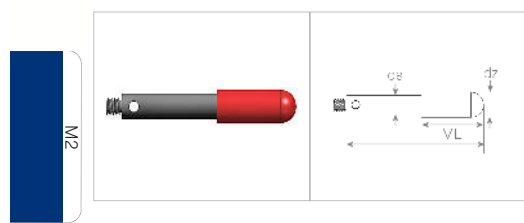
- ⊕ Radius: Ruby
- ⊕ Cylinder: Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel

Order Number	L	ML	L1	dz	ds	Wt.
STY-R7035R	20.0	—	7.2	2.0	2.0	0.4

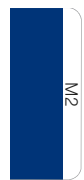
Buy online at [www.shoppwm.com](http://www.shoppwm.com)



**M2** Cylinder Styli, Steel / Ruby



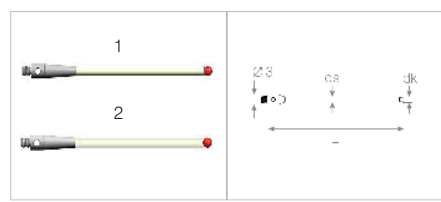
- ⊕ Radius: Ruby
- ⊕ Cylinder: Ruby
- ⊕ Shank: Stainless Steel



Cylinder Styli  
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Order Number	L	ML	L1	dz	ds	Wt.
STY-N4.0-22NZRB	22.0	10.0	—	4.0	3.0	1.2

Cylinder Styli, Ceramic or Sapphire / Ruby



- ⊕ Ball: Ruby, solid
- ⊕ Shank1: Ceramic
- ⊕ Shank2: Sapphire
- ⊕ Ferrule: Conical
- ⊕ Ferrule: Stainless Steel
- ⊕ Concentricity: 2.5 μm / .00012"

Order Number	L	ML	L1	dk	ds	Wt.
STY-R7047 (ceramic shank)	40.0	32.0	—	2.0	2.0	—
STY-R707108 (sapphire shank)	40.0	32.0	—	2.0	2.0	—

**SOLUTIONS®**  
How it Works



Cylindrical ceramic or sapphire styli are the ultimate sheet metal styli. Great for measuring sheet metal cut-outs. Use the non-magnetic cylindrical shank on edges and the spherical tip for surface measurement.

Select opaque or clear design for best visibility—both are easy to qualify and nearly indestructible.

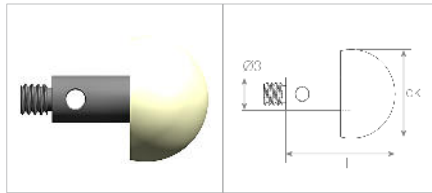


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### Half Sphere Styli, Steel / Ceramic

M2



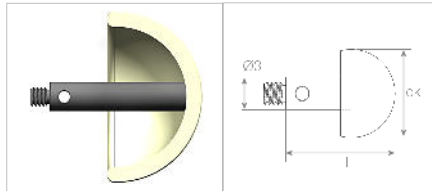
- ⊕ Sphere: Ceramic, Solid
- ⊕ Shank: Stainless Steel



Order Number	L	ML	L1	dk	ds	Wt.
STY-N8.0-10NKK	10.0	—	—	8.0	—	1.1
STY-N10.0-11NKK	11.0	—	—	10.0	—	1.7

Half Sphere Styli  
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### Sphere Styli, Hollow, Steel / Ceramic

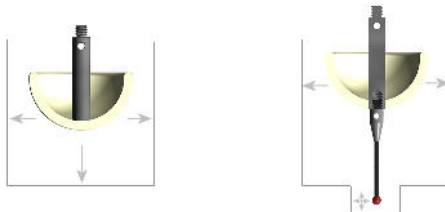


- ⊕ Sphere, Ceramic, hollow
- ⊕ Shank: Stainless Steel

Order Number	L	ML	L1	dk	ds	Wt.
STY-N18.0-16NHKE	16.0	—	—	18.0	—	4.6
STY-N24.0-19NHKE	19.0	—	—	24.0	—	8.9
STY-N30.0-22NHKE	22.0	—	—	30.0	—	13.1

SOLUTIONS®  
"How it works"

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



Buy online at [www.shoppwm.com](http://www.shoppwm.com)

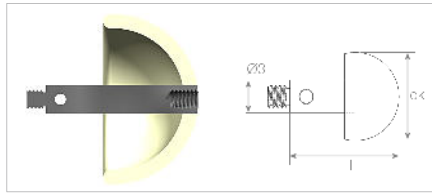


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M2 Sphere Styli, Hollow, Steel / Ceramic



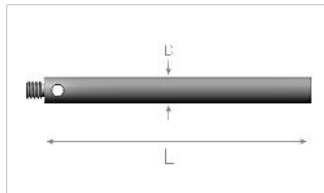
Half Sphere Styli and Extensions  
© 2006 Paul W. Marino Gages, Inc.



- ⊕ Sphere: Ceramic, hollow
- ⊕ Shank: Stainless Steel
- ⊕ M2 female thread accepts any stylus or accessory.

Order Number	L	ML	dk	D	Wt.
STY-N18.0-7NHKZ	16.0	—	18.0	3.0	4.6
STY-N30.0-7NHKZ	22.0	—	30.0	3.0	13.1

Extensions, Steel

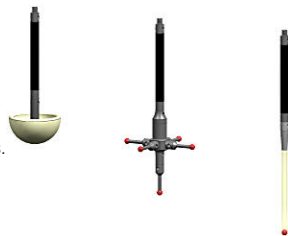


- ⊕ Shank: Stainless Steel
- ⊕ Threads: Stainless Steel
- ⊕ Standard lengths shown

Order Number	L	ML	ds	D	Wt.
STY-N5NV	5.0	—	—	3.0	0.2
STY-N10NV	10.0	—	—	3.0	0.4
STY-N20NV	20.0	—	—	3.0	0.9
STY-N30NV	30.0	—	—	3.0	1.5
STY-N40NV	40.0	—	—	3.0	2.0
STY-N50NV	50.0	—	—	3.0	2.6
STY-N60NV	60.0	—	—	3.0	3.2
STY-N70NV	70.0	—	—	3.0	3.7
STY-N80NV	80.0	—	—	3.0	4.3
STY-N90NV	90.0	—	—	3.0	4.8
STY-N100NV	100.0	—	—	3.0	5.4

SOLUTIONS®  
How it works

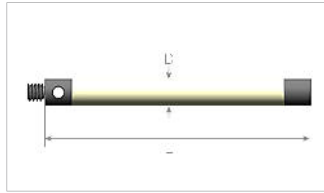
Lightweight extensions allow longer probe access on high speed CMMs, are non-magnetic and increase the life of probe heads.



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## Extensions, Ceramic

M2



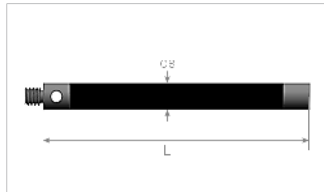
- ⊕ Shank: Ceramic
- ⊕ Threads: Stainless Steel
- ⊕ Non-magnetic shank



Order Number	L	ML	ds	D	Wt.
STY-N30NVK	30.0	—	—	3.0	1.3
STY-N40NVK	40.0	—	—	3.0	1.5
STY-N50NVK	50.0	—	—	3.0	1.6
STY-N60NVK	60.0	—	—	3.0	1.7
STY-N70NVK	70.0	—	—	3.0	2.0
STY-N80NVK	80.0	—	—	3.0	2.2
STY-N90NVK	90.0	—	—	3.0	2.4
STY-N100NVK	100.0	—	—	3.0	2.6

Extensions  
© 2006 Paul W. Marino Gages, Inc.

## Extensions, Carbon Fiber



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

Order Number	L	ML	ds	D	Wt.
STY-N30NVCA	30.0	—	—	3.0	0.7
STY-N40NVCA	40.0	—	—	3.0	0.8
STY-N50NVCA	50.0	—	—	3.0	0.9
STY-N60NVCA	60.0	—	—	3.0	1.0
STY-N70NVCA	70.0	—	—	3.0	1.1
STY-N80NVCA	80.0	—	—	3.0	1.2
STY-N90NVCA	90.0	—	—	3.0	1.3
STY-N100NCA	100.0	—	—	3.0	1.4

SOLUTIONS®  
"How it works"

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

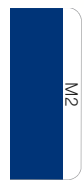
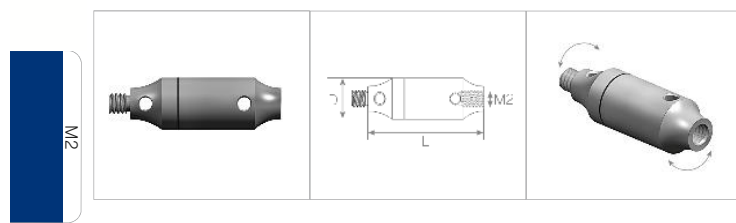


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M2

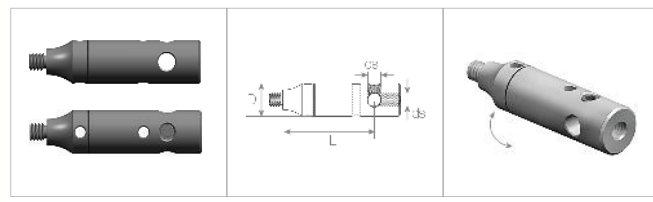
### Adapters, Rotary



Adapters, Rotary  
© 2008 Paul W. Marino Gages, Inc.

- ⊕ Adapter, Rotary, M2 to M2
- ⊕ Stainless Steel
- ⊕ For use with M2 styli

Order Number	dk	ds	L	D	Wt.
STY-N5.0-15NDS	—	—	15.0	5.0	1.4



- ⊕ Adapter, Rotary, M2 male to M2 and Pin Female
- ⊕ Stainless Steel
- ⊕ Screws are replaceable
- ⊕ Nylon washers for long life

Order Number	dk	ds	L	D	Wt.
STY-N1.0-2NHED	—	1.0	14.0	5.0	2.0
STY-N1.5-2NHED	—	1.5	14.0	5.0	2.0
STY-N2.0-2NHED	—	2.0	14.0	5.0	1.9

Solutions®  
"Be Creative!"

Knuckle  
M2 Stylus  
Rotary Adapter  
Star Stylus

Save time and avoid repositioning your probe head.

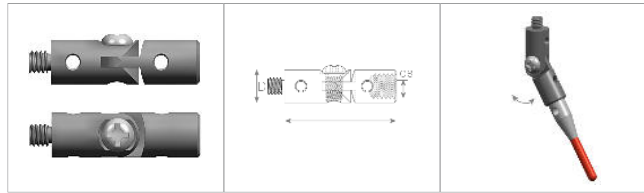
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## Knuckles

M2

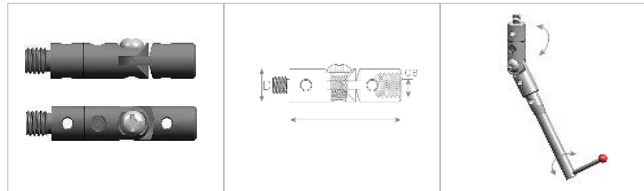


M2

- ⊕ Knuckle joint
- ⊕ Stainless Steel
- ⊕ Screws are replaceable, stainless steel Phillips type

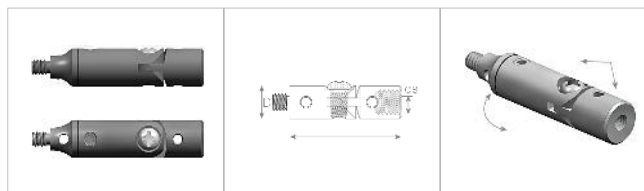
Order Number	dk	ds	L	D	Wt.
STY-N4.0-13.5NGBA	—	—	13.5	4.0	1.1

Adapters, Knuckles  
© 2006 Paul W. Marmo Gages, Inc.



- ⊕ 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-N4.0-16NGBD	—	M2	16	4.0	1.4

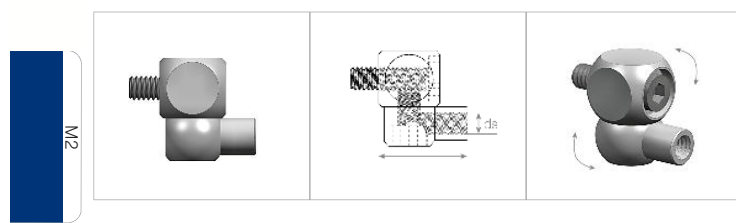


- ⊕ Knuckle joint, rotary
- ⊕ Stainless Steel
- ⊕ Screws are replaceable, stainless steel Phillips type
- ⊕ Nylon washers for long life

Order Number	dk	ds	L	D	Wt.
STY-N5.0-21NGBD	—	M2	21	5.0	2.3



**M2** Adapter, Swivel, "R" Type



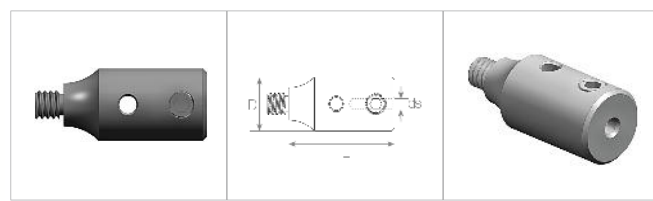
M2

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

- ⊕ Stainless Steel
- ⊕ Swivel joint adapter
- ⊕ M2 male to M2 female threads

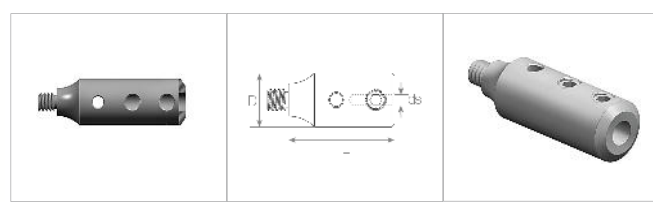
Order Number	L	Male	ds	Wt.
STY-R70K2	8.0	M2	M2	1.6

Crossover Adapters



- ⊕ Adapter, Pin to M2
- ⊕ Stainless Steel
- ⊕ For use with Type F, Type N or Type H pin styli (pages 142-144)

Order Number	dk	ds	L	D	Wt.
STY-N1.0NHZK	—	1.0	10.0	4.0	0.8



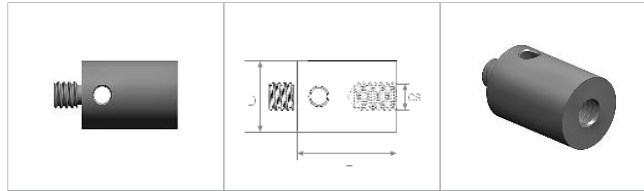
- ⊕ Adapter, Pin to M2
- ⊕ Stainless Steel
- ⊕ For use with Type F, Type N or Type H pin styli (pages 140–142)
- ⊕ Ideal for long pin styli: features two set screws for secure fastening

Order Number	dk	ds	L	D	Wt.
STY-N1.0NHZ	—	1.0	14.0	5.0	1.7
STY-N1.5NHZ	—	1.5	14.0	5.0	1.7
STY-N2.0NHZ	—	2.0	14.0	5.0	1.6
STY-N3.0NHZ	—	3.0	10.0	4.0	0.8



## Crossover Adapters

M2



M2

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

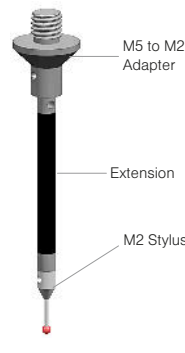
Order Number	Male	ds	L	D	Wt.
STY-NAR25	M2	M2	7.0	5.0	1.0
STY-NAR25-3	M2	M3	7.0	5.0	1.0
STY-NAR26	M2	M2	5.0	5.0	0.7

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

### SOLUTIONS<sup>®</sup> "How it Works"

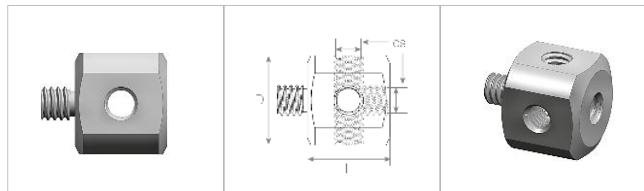
Use crossover adapters to convert styli for use on systems designed for other threads.

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



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## Star Adapters

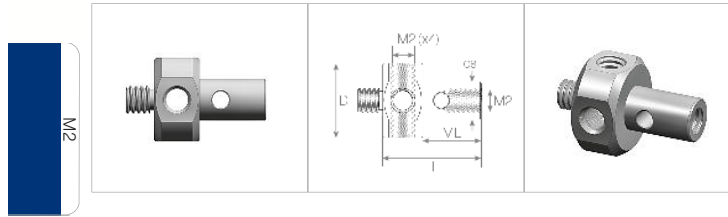


- ⊕ Star adapter
- ⊕ Stainless Steel
- ⊕ Use up to five M2 styli

Order Number	dk	ds	L	D	Wt.
STY-N6.0-5.5-2NTHD	—	M2	5.5	6.0	0.9

M2

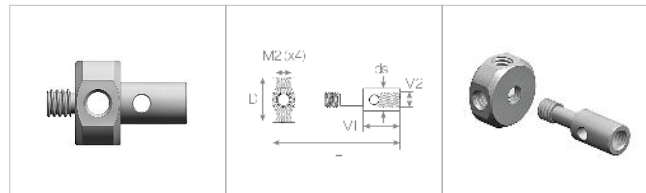
## Star Adapters



Adapters, Star  
© 2006 Paul W. Metro Gages, Inc.

- ⊕ Adapter, non-rotary
- ⊕ Stainless Steel
- ⊕ Use up to five M2 styli

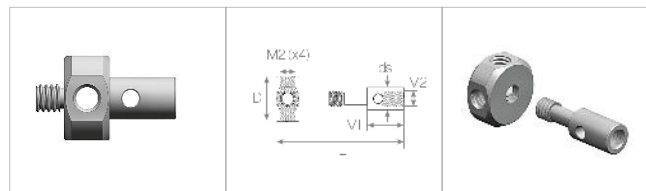
Order Number	ds	L	ML	D	Wt.
STY-N6.0-9NTHA	3.0	9.0	5.0	3.0	1.0



- ⊕ Adapter, rotary
- ⊕ Stainless Steel
- ⊕ Use up to five M2 styli

Order Number	ds	L	ML	D	Wt.
STY-N7.0-8-2NTHF (5 Styli max.)	3.0	8.0	4.5	7.0	1.0
STY-N7.5-8-2NTHG (4 Styli max.)	3.0	8.0	4.5	7.5	1.0

## Star Adapters, "R" Type

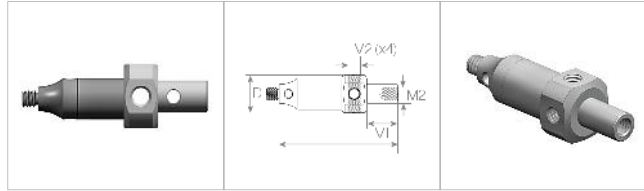


- ⊕ Adapter, rotary
- ⊕ Stainless Steel
- ⊕ Make custom configurations with up to five M2 styli

Order Number	dk	ds	L	D	Wt.
STY-R70C2ROTY	—	—	8.0	5.0	0.8

## Star Adapters

M2

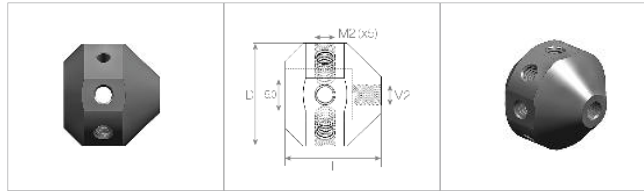


M2

- ⊕ Adapter, rotary
- ⊕ Stainless Steel
- ⊕ Use up to five M2 styli

Order Number	dk	ds	L	D	ML	Wt.
STY-N6.0-19NTHB	—	—	19.0	5.0	5.0	2.0

Adapters, Star  
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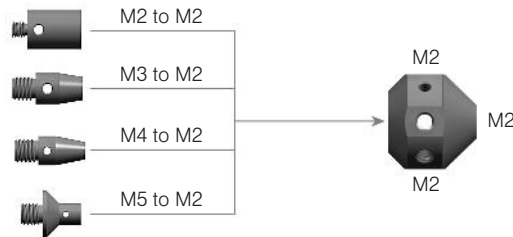


- ⊕ Adapter, rotary
- ⊕ Stainless Steel
- ⊕ Use up to five M2 styli

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. Select the adapter with a thread matching your system.

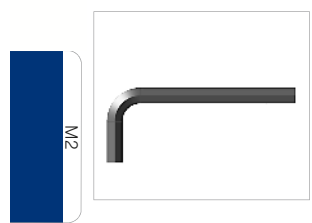


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M2

### Stylus Tools



- ⊕ Hex wrench for set screws
- ⊕ Steel

TOOLS  
© 2006 Paul W. Marino Gages, Inc.

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
- ⊕ Used to tighten accessories and set screws.

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



- ⊕ Philips head tool
- ⊕ Used to tighten accessories and set screws.

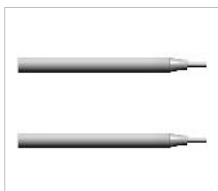
Order Number	ds	L	D
STY-N2.5NWKR	2.5	45.0	5.0

Buy online at [www.shoppwm.com](http://www.shoppwm.com)



## Stylus Tools

M2



- ⊕ Pin Tool
- ⊕ Used to tighten styli and accessories
- ⊕ Sold in packages of two



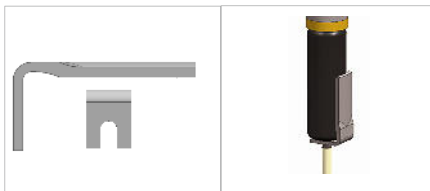
Order Number	ds	L	D
STY-N1.0NWST	1.0	40.0	3.0

TOOLS  
© 2006 Paul W. Marino Gauges, Inc.



- ⊕ Pin tool for styli and accessories
- ⊕ Steel

Order Number	ds	L
STY-R70S7	1.18	23.0



- ⊕ Probe spanner wrench
- ⊕ Stainless Steel

Order Number	L
STY-R70S8	21.0



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

Order Number	L
STY-13.0NWHA	57.0

M2

## Stylus Tools



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

Tools and Storage  
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Order Number	L
STY-R70S1	20.0

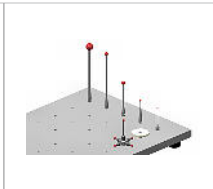
## Storage Cases



- ⊕ Holds up to 38 (or 93) M2 components
- ⊕ Create a custom kit as your stylus collection grows.

Order Number	Description
STY-N38-2NHSA	Wood storage case with M2 threaded plate holds 38 pieces.
STY-N93-2NHSD	Wood storage case with M2 threaded plate holds 93 pieces.

## Storage Plates



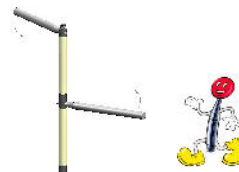
- ⊕ Storage plates
- ⊕ Anodized aluminum finish
- ⊕ Upright storage in threaded holes
- ⊕ Special order

Order Number	Description
STY-PWMSPM2ALU	Storage plate for M2 styli and accessories

### 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 40–42.

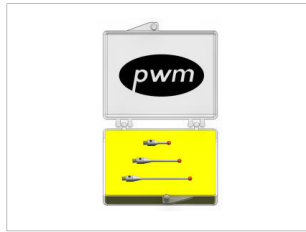
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### 3 Piece Kits, Ruby Ball, M2

M2



- ⊕ Ball: Ruby
- ⊕ Shank: Stainless Steel or Carbide
- ⊕ Plastic case



Stylus Kits  
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PWM Order Number STY-KM2-2.0NTBC, 2.0 mm kit, M2			
Contents	Qty	Description	Shank
STY-N2.0-11-2NTC	1	Stylus 11 mm x 2.0 mm	SST
STY-N2.0-21-2NTB	1	Stylus 21 mm x 2.0 mm	TC
STY-N2.0-31-2NTB	1	Stylus 31 mm x 2.0 mm	TC



- ⊕ Ball: Ruby
- ⊕ Shank: Stainless Steel or Carbide
- ⊕ Plastic case

PWM Order Number STY-KM2-3.0NTBC, 3.0 mm kit, M2			
Contents	Qty	Description	Shank
STY-N3.0-11.5-2NTC	1	Stylus 11.5 mm x 3.0 mm	SST
STY-N3.0-21.5-2NTC	1	Stylus 21.5 mm x 3.0 mm	SST
STY-N3.0-31.5-2NTB	1	Stylus 31.5 mm x 3.0 mm	TC

#### SOLUTIONS@ "How it works"

All styli sold in kits are the same items as our high quality individual components. Small kits ship in a protective, clear plastic storage case with a foam insert. Items may be replaced individually if lost or damaged.

Buy kits and save money.



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M2

### 3 Piece Kits, Ruby Ball, M2



Stylus Kits  
© 2006 Paul W. Marino Gages, Inc.



- ⊕ Ball: Ruby
- ⊕ Shank: Ceramic
- ⊕ Plastic case

PWM Order Number STY-KM2-4.0NTKE, 4.0 mm kit, M2		
Contents	Qty	Description
STY-N4.0-32-2NTKE	1	Stylus 32 mm x 4.0 mm
STY-N4.0-42-2NTKE	1	Stylus 42 mm x 4.0 mm
STY-N4.0-52-2NTKE	1	Stylus 52 mm x 4.0 mm



- ⊕ Ball: Ruby
- ⊕ Shank: Carbon Fiber
- ⊕ Plastic case

PWM Order Number STY-KM2-4.0NTCA, 4.0 mm kit, M2		
Contents	Qty	Description
STY-N4.0-32-2NTCA	1	Stylus 32 mm x 4.0 mm
STY-N4.0-42-2NTCA	1	Stylus 42 mm x 4.0 mm
STY-N4.0-52-2NTCA	1	Stylus 52 mm x 4.0 mm



- ⊕ Ball: Ruby
- ⊕ Shank: Ceramic
- ⊕ Plastic case

PWM Order Number STY-KM2-5.0NTKE, 5.0 mm kit, M2		
Contents	Qty	Description
STY-N5.0-32.5-2NTKE	1	Stylus 32.5 mm x 5.0 mm
STY-N5.0-42.5-2NTKE	1	Stylus 42.5 mm x 5.0 mm
STY-N5.0-52.5-2NTKE	1	Stylus 52.5 mm x 5.0 mm

### 3 Piece Kits, Ruby Ball, M2

M2



- ⊕ Ball: Ruby
- ⊕ Shank: Carbon Fiber
- ⊕ Plastic case



Stylus Kits  
© 2006 Paul W. Marino Gages, Inc.

PWM Order Number STY-KM2-5.0NTCA, 5.0 mm kit, M2		
Contents	Qty	Description
STY-N5.0-32.5-2NTCA	1	Stylus 32.5 mm x 5.0 mm
STY-N5.0-42.5-2NTCA	1	Stylus 42.5 mm x 5.0 mm
STY-N5.0-52.5-2NTCA	1	Stylus 52.5 mm x 5.0 mm

### 4 Piece Kit, Sheet Metal, M2



- ⊕ Tip: Stainless Steel, Carbide or Ruby
- ⊕ Shank: Stainless Steel
- ⊕ Plastic case

PWM Order Number STY-KM2NZSD, sheet metal kit, M2		
Contents	Qty	Description
STY-N2.0-11NZTS	1	Cylinder, 11 mm x 2.0 mm, SST
STY-N2.0-40NZSD	1	Cylinder, 40 mm x 2.0 mm, SST
STY-N30-10NTS	1	Pointer, 10 mm x 30° point, TC
STY-R7035R	1	Stylus, 20 mm x 3.0 mm, ruby

See more sheet metal and cylinder styli on pages 27–30.



Carbide and Stainless Steel Cylinders



Ruby Cylinders



Ceramic or Sapphire Cylinders

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M2

Kits, Extension, M2



Stylus Kits  
© 2006 Paul W. Marano Gages, Inc.



- ⊕ Shank: Stainless Steel
- ⊕ Plastic case

PWM Order Number STY-KM2NV, extension kit, SST, M2

Contents	Qty	Description
STY-N10-2NV	1	Extension, 10 mm long
STY-N20-2NV	1	Extension, 20 mm long
STY-N30-2NV	1	Extension, 30 mm long



- ⊕ Shank: Ceramic
- ⊕ Plastic case

PWM Order Number STY-KM2NVKE, extension kit, SST, M2

Contents	Qty	Description
STY-N30-2NVKE	1	Extension, 30 mm long
STY-N40-2NVKE	1	Extension, 40 mm long
STY-N60-2NVKE	1	Extension, 60 mm long



- ⊕ Shank: Carbon Fiber
- ⊕ Plastic case

PWM Order Number STY-KM2NVCA, extension kit, SST, M2

Contents	Qty	Description
STY-N30-2NVCA	1	Extension, 30 mm long
STY-N40-2NVCA	1	Extension, 40 mm long
STY-N60-2NVCA	1	Extension, 60 mm long

## Kit, Tools

M2



- ⊕ Basic tool selection for new users
- ⊕ Economical designs
- ⊕ Great for training



Stylus Kits  
© 2006 Paul W. Marino Gages, Inc.

PWM Order Number STY-KM2-TOOL, tool kit		
Contents	Qty	Description
STY-HW1.5	1	Hex key, 1.5 mm
STY-HW2.0	1	Hex key, 2.0 mm
STY-R70S1	1	C spanner, single ended
STY-R70S7	2	Stylus tightening tool
STY-R70S8	1	Probe spanner

Solutions®  
"How it works"

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



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 exten-  
sions into probes

See more tools on pages 40-42.

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M2

## M2 Stylus Kit, 21 Pieces



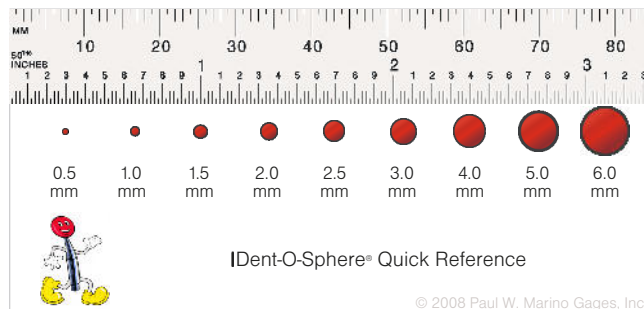
Stylus Kits  
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- ⊕ Kit features our most requested styli and accessories
- ⊕ Kit contents: 8 ruby styli, 1 point, 5 extensions, 2 adapters, 4 tools, 1 wooden case

PWM Order Number: STY-N20-2NTA, 21 piece stylus kit in wooden case

Contents	Qty	Description
STY-N1.0-10.5-2NTB	1	Stylus 10.5mm x 1.0mm
STY-N1.0-15.5-2NTB	1	Stylus 15.5mm x 1.0mm
STY-N2.0-11-2NTB	1	Stylus 11mm x 2.0mm
STY-N2.0-16-2NTB	1	Stylus 16mm x 2.0mm
STY-N4.0-12-2NTC	1	Stylus 12mm x 4.0mm
STY-N4.0-22-2NTC	1	Stylus 22mm x 4.0mm
STY-N6.0-13-2NTD	1	Stylus 13mm x 6.0mm
STY-N6.0-28-2NTD	1	Stylus 28mm x 6.0mm
STY-N30-10NTS	1	Stylus point 10mm x 30°
STY-N5NV	1	Extension 5mm
STY-N10NV	1	Extension 10mm
STY-N20NV	1	Extension 20mm
STY-N40NV	1	Extension 40mm
STY-N60NV	1	Extension 60mm
STY-N4.0-16-2NGBD	1	Knuckle joint 16mm x 4.0mm
STY-N10.0-9-2NTHC	1	Stylus holder for 5 M2 Styli
STY-N0.9NWSE	1	Hexagon key 0.9mm
STY-N1.0NWST	2	Pin key, 1.0mm
STY-N2.5-NWKR	1	Cross-point key, 2.5mm
STY-N38-2NHSA	1	Wooden case for 38 pieces



## M2 Stylus Kit, 41 Pieces

M2



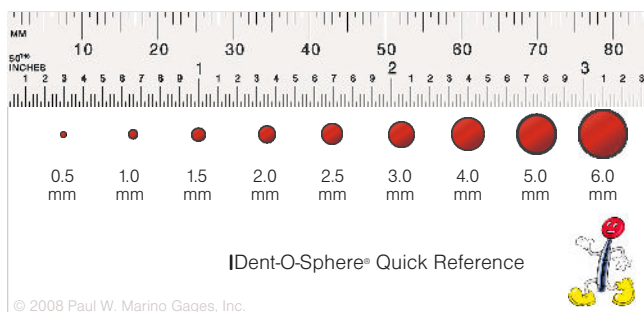
- ⊕ Kit features our most requested styli and accessories
- ⊕ Kit contents: 24 ruby styli, 1 point, 9 extensions, 2 adapters, 4 tools, 1 wooden case

M2

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PWM Order Number STY-N40-2NTB, 41 piece stylus kit in wooden box

Contents	Qty	Description
STY-N1.0-10.5-2NTB	3	Stylus 10.5mm x 1.0mm
STY-N1.0-15.5-2NTB	3	Stylus 15.5mm x 1.0mm
STY-N2.0-11-2NTC	3	Stylus 11mm x 2.0mm
STY-N2.0-16-2NTC	3	Stylus 16mm x 2.0mm
STY-N4.0-12-2NTC	3	Stylus 12mm x 4.0mm
STY-N4.0-22-2NTC	3	Stylus 22mm x 4.0mm
STY-N6.0-13-2NTD	3	Stylus 13mm x 6.0mm
STY-N6.0-28-2NTD	3	Stylus 28 mm x 6.0 mm
STY-N30-10-2NTS	1	Stylus point 10mm x 30°
STY-N10NV	3	Extension 10mm
STY-N20NV	3	Extension 20mm
STY-N40NV	1	Extension 40mm
STY-N60NV	1	Extension 60mm
STY-N80NV	1	Extension 80mm
STY-N4.0-16-2NGBD	1	Knuckle joint 16mm x 4.0mm
STY-N7.0-8-2NTHF	1	Stylus holder, rotary for 5 Styli
STY-N0.9NWSE	1	Hexagon key, 0.9mm
STY-N1.0NWST	2	Pin key 1.0mm
STY-N2.5NWKR	1	Cross-point key 2.5mm
STY-N93-2NHSD	1	Wooden case for 93 pieces



M2

## M2 Stylus Kit, 65 Pieces



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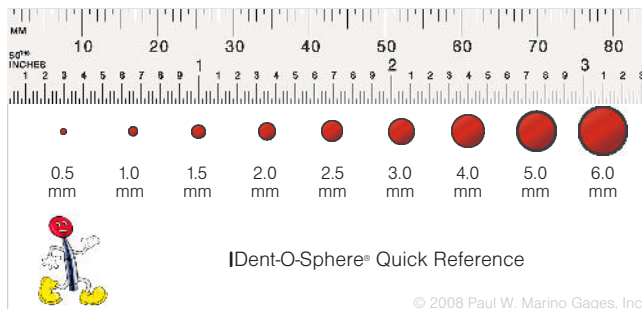


- ⊕ Kit features our most requested styli and accessories
- ⊕ Kit contents: 37 ruby styli, 2 cylinder styli, 2 discs, 2 stars, 1 point, 13 extensions, 3 adapters, 4 tools, 1 wooden case

PWM Order Number STY-N63NTBC, 65 piece stylus kit in wooden case

Contents	Qty	Description
STY-N0.5-10-2NTA	1	Stylus 10mm x 0.5mm
STY-N1.0-10.5-2NTB	4	Stylus 10.5mm x 1.0mm
STY-N1.0-15.5-2NTB	4	Stylus 15.5mm x 1.0mm
STY-N1.5-16-2NTB	1	Stylus 16mm x 1.5mm
STY-N2.5-21-2NTB	1	Stylus 21mm x 2.5mm
STY-N2.0-11-2NTC	4	Stylus 11mm x 2.0mm
STY-N2.0-16-2NTC	4	Stylus 16mm x 2.0mm
STY-N3.0-21.5-2NTC	1	Stylus 21.5mm x 3.0mm
STY-N4.0-12-2NTC	4	Stylus 12mm x 4.0mm
STY-N4.0-22-2NTC	4	Stylus 22mm x 4.0mm
STY-N5.0-27.5-2NTD	1	Stylus 27.5mm x 5.0mm
STY-N6.0-13-2NTD	4	Stylus 13mm x 6.0mm
STY-N6.0-28-2NTD	4	Stylus 28mm x 6.0mm
STY-N4.0-22-2NZRB	1	Stylus cylinder 22mm x 4.0mm
STY-N1.5-14-2NZTH	1	Stylus cylinder 14mm x 1.5mm
STY-N10.0-25-2NKSK	1	Stylus ball/disc 25mm x 10.0mm
STY-N25.0-12-2NKSD	1	Stylus ball/disc 12mm x 25.0mm
STY-N1.0-12-2NSTK	1	Stylus star 12mm x 1.0mm
STY-N2.0-22-2NTSE	1	Stylus star 22mm x 2.0mm
STY-N30-10-2NTS	1	Stylus point 10mm x 30°

Continued on next page





## Stylus Kit, M2

M2

PWM Order Number STY-N63NTBC continued from previous page		
Contents	Qty	Description
STY-N10NV	4	Extension 10mm
STY-N20NV	4	Extension 20mm
STY-N30NV	1	Extension 30mm
STY-N40NV	1	Extension 40mm
STY-N60NV	1	Extension 60mm
STY-N80NV	1	Extension 80mm
STY-N100NV	1	Extension 100mm
STY-N4.0-12-2NDS	1	Adapter rotary
STY-N7.0-8-2NTHF	1	Adapter rotary for 5 styli
STY-N4.0-16-2NGBD	1	Knuckle joint rotary
STY-N0.9NWSE	1	Hex key 0.9mm
STY-N1.0NWST	2	Pin key 1.0mm
STY-N2.5NWKR	1	Cross-point key 2.5mm
STY-N93-2NHSD	1	Wooden case for 93 pieces

M2

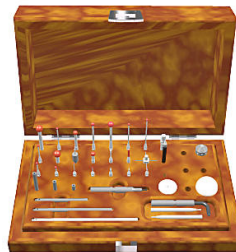
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### SOLUTIONS® "How it works"

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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