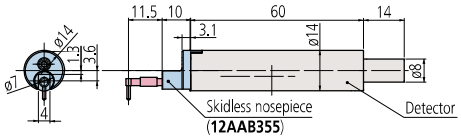
Option: Detectors / Styli

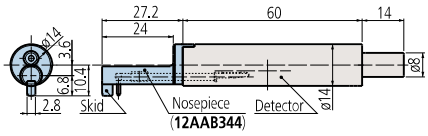
Detectors

Unit: mm

Skidless



Skidded



Code No.	Measuring force
178-396-2[*1,*3]	0.75 mN
178-397-2[*1,*4]	4 mN
178-396[*2,*3]	0.75 mN
178-397[*2,*4]	4 mN

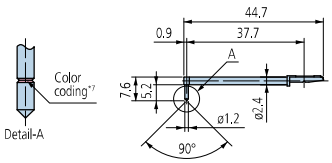
Standard accessories
*1: Skidless nosepiece (**12AAB355**)
*2: Skidless nosepiece (**12AAB355**), Skidded nosepiece (**12AAB344**)
*3: Standard stylus (**12AAC731**)
*4: Standard stylus (**12AAB403**)

Styli

Unit: mm

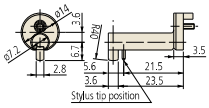
Standard type

12AAE882 (1 µm)[*5]
12AAE924 (1 µm)
12AAC731 (2 µm)[*5]
12AAB403 (5 µm)
12AAB415 (10 µm)
12AAE883[*8] (250 µm)
( ): Tip radius

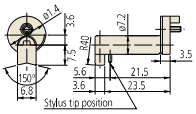


Nosepiece

Standard type
Parts No.12AAB344

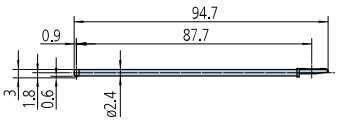


Cylinder type
Parts No.12AAB345
Remarks ø2-20



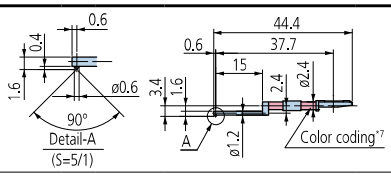
Double-length for deep hole[*6]

12AAE898 (2µm) [*5]
12AAE914 (5µm)
( ): Tip radius



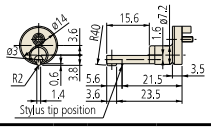
Small hole type

12AAC732 (2µm) [*5]
12AAB404 (5µm)
12AAB416 (10µm)
( ): Tip radius



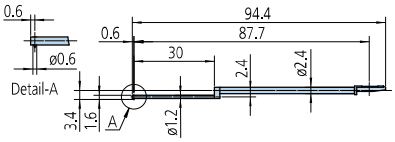
Nosepiece

Small hole type
Parts No.12AAB346
Remarks
Hole diameter: More than ø4
Hole depth: Less than 15



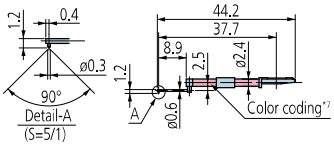
For small hole / Double-length for deep hole[*6]

12AAE892 (2µm) [*5]
12AAE908 (5µm)
( ): Tip radius



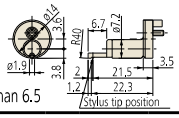
Ultra-small hole type

12AAC733 (2µm) [*5]
12AAB405 (5µm)
12AAB417 (10µm)
( ): Tipradius



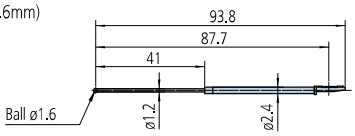
Nosepiece

Ultra-small hole type
Parts No.12AAB347
Remarks
Hole diameter: More than ø2.3 Hole depth: Less than 6.5



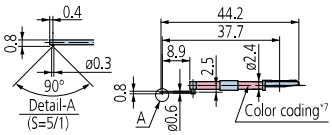
For small hole[*8]

12AAE884
(ø1.6mm)



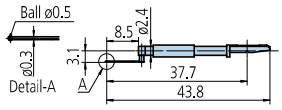
Extra-small hole

12AAC734 (2µm) [*5]
12AAB406 (5µm)
12AAB418 (10µm)
( ): Tipradius



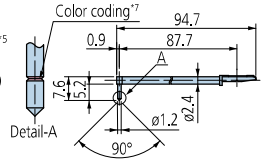
For Ultra-small hole[*8]

12AAJ662
(ø0.5mm)

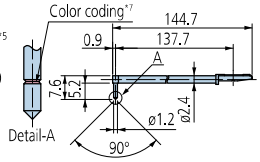


For deep hole[*6]

2×
12AAC740 (2µm) [*5]
12AAB413 (5µm)
12AAB425 (10µm)
( ): Tipradius

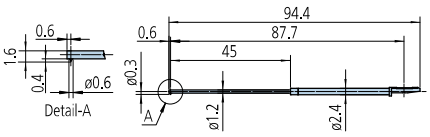


3×
12AAC741 (2µm) [*5]
12AAB414 (5µm)
12AAB426 (10µm)
( ): Tipradius



For small slotted hole[*6]

12AAE938 (2µm) [*5]
12AAE940 (5µm)



*5: Tip angle 60°
*6: For downward-facing measurement only.

*7:

Tip radius	1 µm	2 µm	5 µm	10 µm	250 µm
Color coding	White	Black	No color	Yellow	No notch or color

*8: Used for calibration, a standard step gauge (**No.178-611**, option) is also required

Mitutoyo