

Document No. QH356

June 26th, 2026

Notice of Specification Change for Protect Tubes

Dear Valued Customer,

Thank you very much for your continued support and patronage.

Many of our customers use our precision positioning sensors for machine tools equipped with cable protect tubes designed for use in environments with cutting chips.

Regarding the conventional protect tube specifications, however, we have received many requests for improvement from customers concerning challenges during wiring work inside machine tools. These include issues such as "the tube tends to twist easily," "this leads to poor operability during wiring," and "it can potentially cause cable breakage."

Under these circumstances, we have reviewed the structure of the protect tube and will implement a specification change as detailed below. We appreciate your kind understanding in this matter.

1. Details of the Specification Change

To suppress the occurrence of twisting in the protect tube, a slip-ring structure will be newly adopted for the following sections:

- Case connection section
- Relay connector connection section
- Intermediate section in long products

2. Structure After the Change

Depending on product specifications and length, the protect tube after the specification change will feature one of the following structures:

- Type with slip-ring-equipped end fittings on both sides
- Type with a slip-ring-equipped end fitting on one side only

Photo showing the appearance of the current protect tube and the protect tube with a slip-ring structure is attached below. There is no difference in the overall appearance of the protect tube before and after the change. The only difference is that a snap ring is attached to the end fitting.

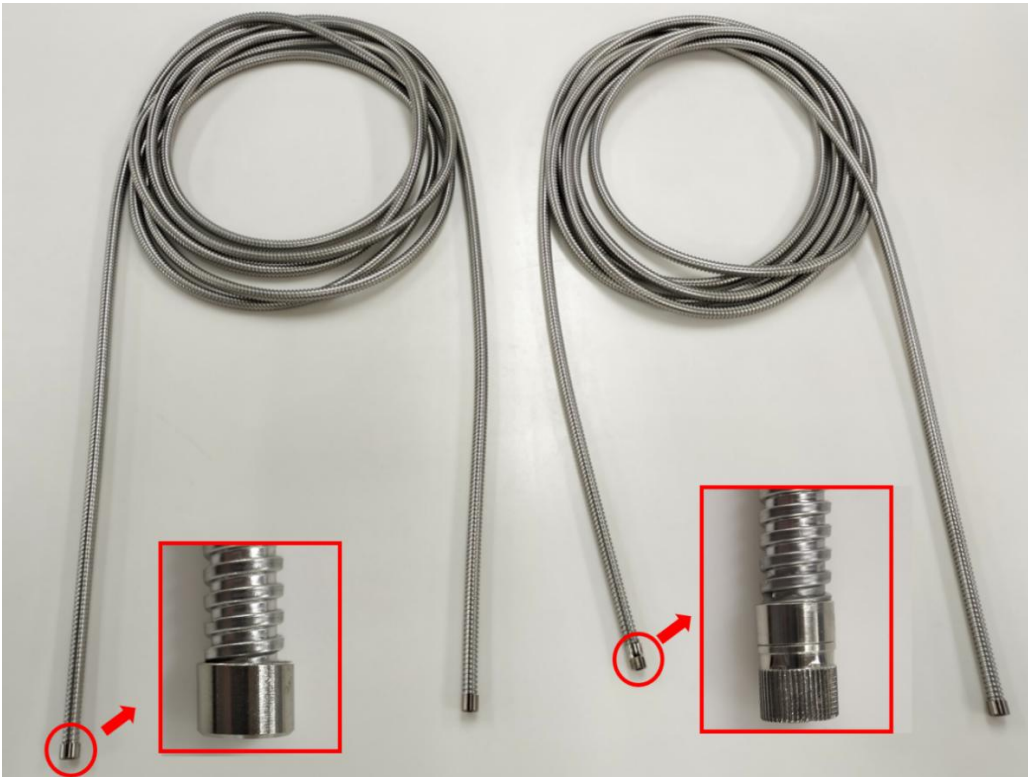


Photo: Appearance of the protect tube before and after the change
(Left: before change, Right: after change)

The only difference is that a snap ring is attached to the end fitting.

3. Expected Benefits

The following benefits are expected from this specification change:

- Reduction in the risk of cable breakage
- Improvement in cable routing flexibility and workability during wiring
- Enhancement of overall product reliability
- Prevention of potential failures

4. Price

There will be no change in the product price due to this specification change.

5. Implementation Timing

From orders received after August 1, 2026.



Metrol Co., Ltd.
1-100 Takamatsu-cho Tachikawa-shi, Tokyo 190-0011 JAPAN
TEL:+81-42-527-3278 / FAX:+81-42-528-1442

We will continue our efforts to improve our products to meet the needs of our customers. Should you have any questions regarding this matter, please feel free to contact our sales representatives. We look forward to your continued patronage of our products.

Sincerely,

Metrol Co., Ltd.

Sales Department

E-mail: esales1@metrol.co.jp