

## Stopper Bolt with a Built-in Switch



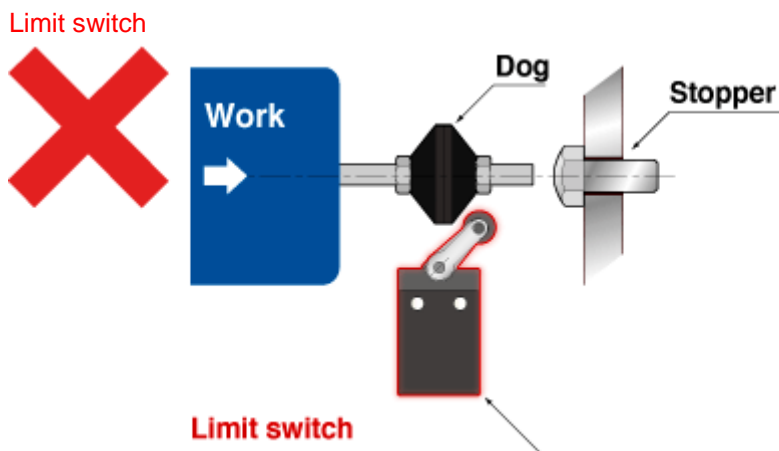
2 tasks with 1 device !!

- Housing a high-accuracy built-in switch in a stopper bolt
  - The built-in switch is cartridge type

### ST series

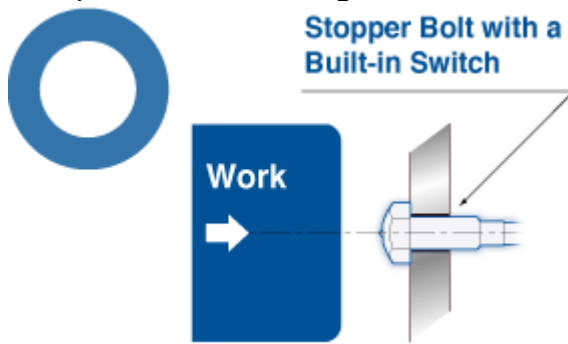
2 tasks with 1 device.

Housing a high-accuracy built-in switch in a stopper bolt



Stopper Bolt with a Built-in Switch  
No need of dogs and stopper bolts.

Compact machine design



### Maintenance cost is greatly reduced by applying cartridge type

When replacing the sensor by reason of breakdown, no need for detaching the stopper bolt or adjusting the position of it. Simplify maintenance procedure.

No need to visit customer sites for repair

Installing stopper bolt and adjust the position before installing the built-in type sensor to avoid twisting the cable.



### Applications

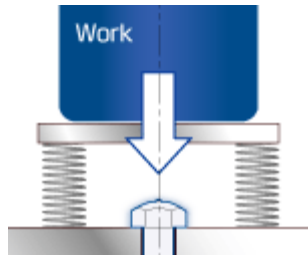
- Forward / backward end check



- 危険防止



- 重量判別



## Specification

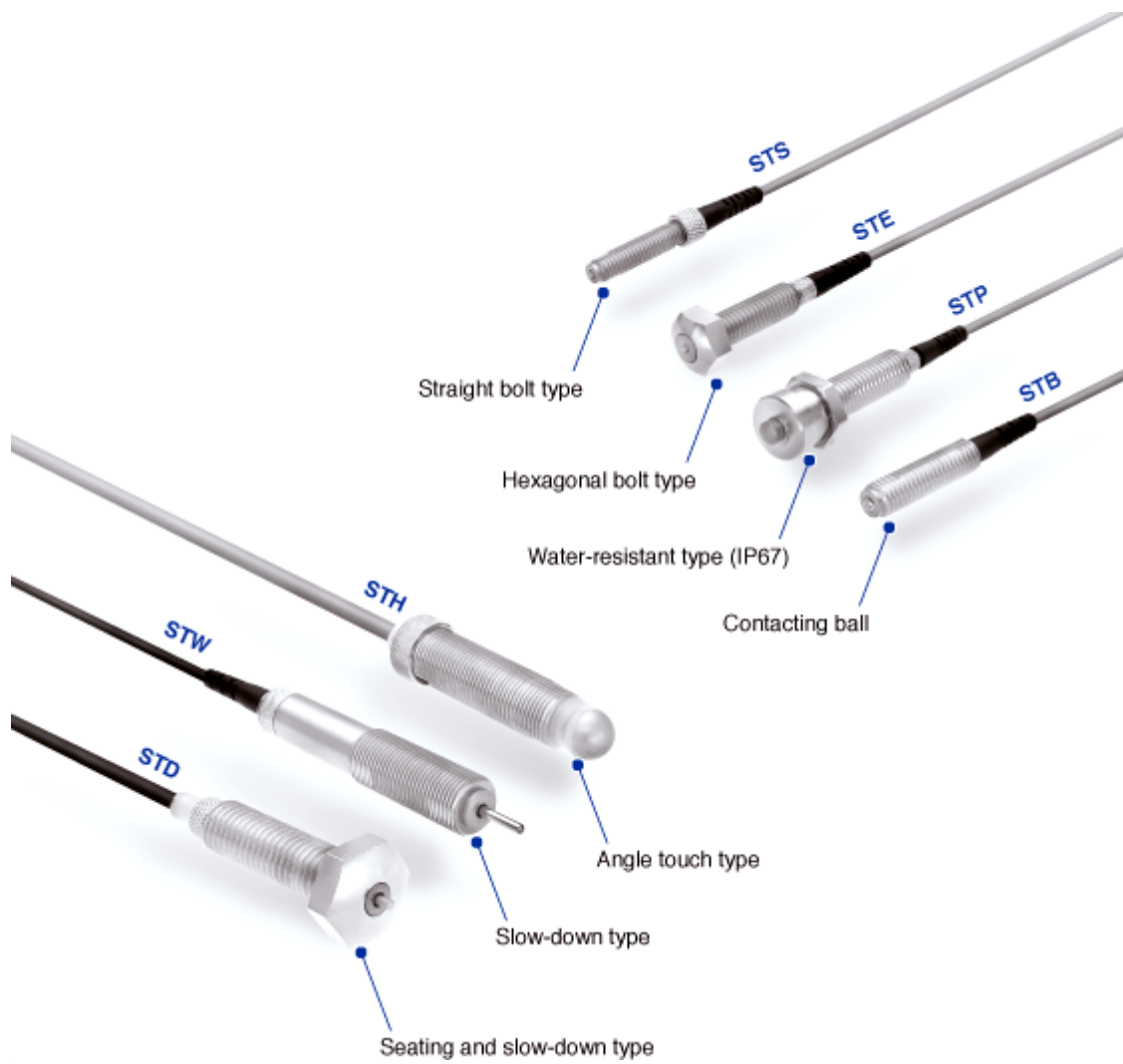
<b>Output mode</b>	A : Normally open / B : Normally close
<b>Withstand load *</b>	5000N
<b>Impact resistance*</b>	0.4J
<b>Repeatability</b>	0.01mm
<b>Contact life time *</b>	10 million
<b>Contact rating</b>	DC+5V~DC+24V 20mA (MAX) Resistance load

\* Excludes STH








## Lineup

Unit : mm







单位: mm

Straight touch type		STS / STE / STP	Product name	Output mode	Size	Length
Straight bolt type		STS	STS060PA	A:NO	M6	———
		STS	STS060PB	B:NC	M6	———
		STS	STS080PA	A:NO	M8	———
		STS	STS080PB	B:NC	M8	———
		STS	STS100PA	A:NO	M10	———
		STS	STS100PB	B:NC	M10	———
Hexagonal bolt type		STE	STE060PA	A:NO	M6	———
		STE	STE060PB	B:NC	M6	———
		STE	STE080PA	A:NO	M8	———
		STE	STE080PB	B:NC	M8	———
		STE	STE100PA	A:NO	M10	———
		STE	STE100PB	B:NC	M10	———
Water resistant type		STP	STP080UA	A:NO	M8	———
		STP	STP080UB	B:NC	M8	———
		STP	STP100UA	A:NO	M10	———

<b>STP100UB</b>	B:NC	M10	
<b>STP080DA</b>	A:NO	M8	
<b>STP080DB</b>	B:NC	M8	
<b>STP100DA</b>	A:NO	M10	
<b>STP100DB</b>	B:NC	M10	





Angled touch type (Contacting ball type) **STB**

Product name	Output mode	Size	Length
<b>STB080A</b>	A:NO	M8	
<b>STB080B</b>	B:NC	M8	
<b>STB100A</b>	A:NO	M10	
<b>STB100B</b>	B:NC	M10	




Angled touch type **STH**

Product name	Output mode	Protective structure	Size	Length
<b>STH121A</b>	A:NO	IP67	M12×1	
<b>STH121B</b>	B:NC	IP67	M12×1	

1 signal slowdown, plunger type **STW**

Product name	Output mode	Stroke	Size	Length
<b>STW0600A</b>	A:NO	2.5mm	M6	
<b>STW0800A</b>	A:NO	2.5mm	M8	
<b>STW1000A</b>	A:NO	2.5mm	M10	
<b>STW1211B</b>	B:NC	10mm	M12×1	

2 signal slowdown and seating check, plunger type **STD**

Product name	Output mode	Stroke	Size	Length
<b>STD1210B</b>	B:NC	3.2mm	M12×1	
<b>STD1211B</b>	B:NC	10mm	M12×1	
<b>ST401</b>	B:NC	3.2mm	M12	

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