


High-precision Switch for Detecting Micron-unit Displacement

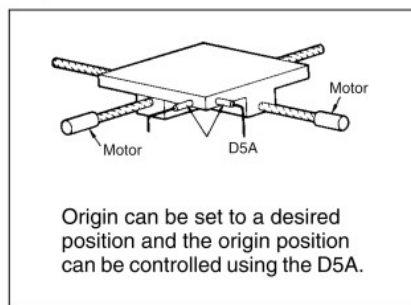
- Ideal for detecting and measuring wear of cutting tools or for original point of work.
- Ceramic plungers on M5, M8, and slim models for superior abrasion resistance and resistance to temperature changes.
- Direct input possible to microprocessors and programmable controllers.
- A version with screw-type cable connector available for easy installation and maintenance.



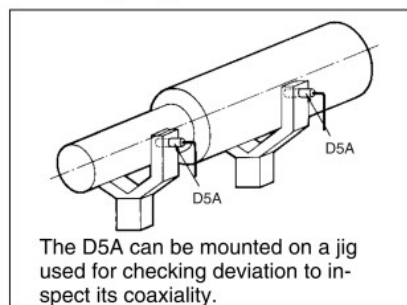
 Be sure to read *Safety Precautions* on page 5 to 6 and *Safety Precautions for All Limit Switches*.

Application Examples

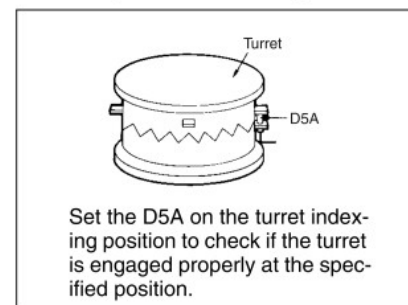
Origin Position Control of an X-Y Table



Coaxiality Inspection




Checking Turret Indexing Position








Ordering Information

Contact Output Models (NC Contact)

Actuator	Type	Operation Indicator	Repeat accuracy	Operating force OF max.	Cable lead outlet		Degree of protection	Model
					Lead outlet	Length		
Pin plunger 	M5	None	1 μm max.	0.29 N	Pre-wired	1 m	IP40	D5A-1100
				0.49 N				D5A-1200
			3 μm max.	0.29 N				D5A-2100
				0.49 N				D5A-2200
	M8		1 μm max.	0.49 N	IP67	D5A-3200		
				0.98 N		D5A-3300		
M16	3 μm max.	2.45 N	Connector	D5A-7400				
							D5A-7403	

Solid-state Output Models (PNP Transistor Output)

Actuator	Type	Operation Indicator	Repeat accuracy	Operating force OF max.	Cable lead outlet		Degree of protection	Model
					Lead outlet	Length		
Pin plunger 	M8	Provided	1 μm max.	0.49 N	Pre-wired	1 m	IP67	D5A-3210
				0.98 N				D5A-3310
	Slim			0.49 N				D5A-5210
				0.98 N				D5A-5310
M16	3 μm max.		2.45 N	Connector	D5A-7410			
					D5A-7413			
	Top plunger 		3 μm max.	3.92 N	Pre-wired	3 m		D5A-8511
						5 m		D5A-8512
Bevel plunger 	Limit	3 μm max.	3.92 N	Connector	3 m	D5A-8514		
					5 m	D5A-8515		
Bevel plunger 	Limit	3 μm max.	3.92 N	Pre-wired	3 m	D5A-9511		
					5 m	D5A-9512		
Bevel plunger 	Limit	3 μm max.	3.92 N	Connector	3 m	D5A-9514		
					5 m	D5A-9515		