

Linear actuator for robots



"Contributing to the smooth and flexible motion of humanoid robots"

New Products

Co-Development



 **DELTA** ultra-compact driver



Stroke
0~80mm

NSK High-performance ball
screw

- ✓ Max. thrust: 3,900N
- ✓ Weight: Less than 0.9kg
- ✓ Size: $\Phi 55$ mm

Feature


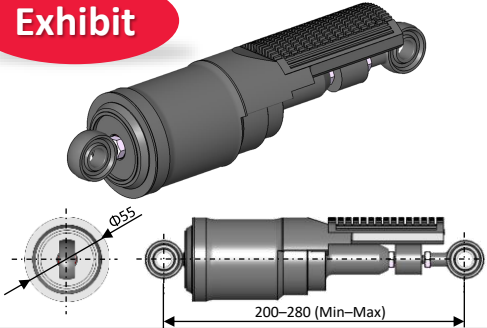

- ✓ Adopts a high-load ball screw with excellent back drivability to achieve smooth and flexible motion
- ✓ Features a high-density layout with excellent heat dissipation
- ✓ Equipped with a built-in ultra-compact, high efficiency (>97%) driver
- ✓ Supports EtherCAT and CAN communication

Why DELTA × NSK ?

By combining Delta Electronics' power electronics and NSK's mechanical components, we transcend individual technological boundaries - "SETTING THE FUTURE IN MOTION."

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Model & Technical Specifications		Small	Medium	Large
		<div>Under development</div> 	<div>Exhibit</div> 	<div>Under development</div> 
Supply voltage	V	DC48		
Linear motion mechanism	-	Ball Screw		
Max. thrust	N	500	3,900	8,000
Weight	kg	0.4	≤0.9	1.8
Max. outer diameter	mm	43	55	73
Max. feed speed	mm/s	300	120≤	120
Max. stroke	mm	40	80	90
Force sensor	-	✓	✓	✓
Driver	-	✓	✓	✓
Communication interface	-	EtherCAT / CAN		

Change & Go Beyond