Rotary actuator for Robots



"Contributing to the lightness and smoothness of humanoid robots"

Reference Exhibit

Co-Development



Feature

- ✓ Compact, lightweight, and features highperformance bearings for smooth movement
- ✓ Hollow bores allow for greater flexibility in wiring and piping
- ✓ Ultra-compact, high-efficiency (>97%) driver built-in
- ✓ EtherCAT®/CAN communication compatible
- ✓ Uses a precision control reducer manufactured by Harmonic Drive Systems Inc.

Why DELTA × NSK?

By combining Delta Electronics' power electronics and NSK's mechanical components, we transcend individual technological boundaries – for the "Next Moves."

✓ Dimensions: O.D. 80×L79, hollow hole I.D. 18

✓ Weight: 0.9kg

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Rotary actuator for Robots



"Contributing to the lightness and smoothness of humanoid robots"

Reference Exhibit

Co-Development

		Small	Medium	Large
Model & Reference Specifications		Under development	On exhibit	Under development
Supply voltage	V	DC48		
Repetitive peak torque	N∙m	(30)	110	(210)
Weight	kg	T.B.D.	0.9	T.B.D.
Maximum O.D.	mm	(60)	80	(100)
Length	mm	T.B.D.	79	T.B.D.
Hollow hole I.D.	mm	T.B.D.	18	T.B.D.
Max speed	s ⁻¹	T.B.D.	0.5	T.B.D.
Driver	-	✓	✓	✓
Communication interface	-	EtherCAT / CAN		