

Ideal for Machine Tools

Ideal for rotation positioning in environments with high levels of water drops or dust



ABSODEX

Max. torque	Dust-proof Water-resistant	Tuning time
45/70 N·m	IP65 Equivalent	60% Reduced*

Compatible with AXD Drivers

*Compared with conventional models. CKD research

Pneumatic brake	Installation direction
Standard integration	Bi-directional available (vertical/horizontal)

Rotary table finishing machine

Optimal for operating and processing tables.



Machine tool indexing device

Multi-point positioning enables multi-surface machining. Ideal for machining tilted surfaces.



ABSODEX AX8R Series

CKD Corporation

<https://www.ckd.co.jp/en/>

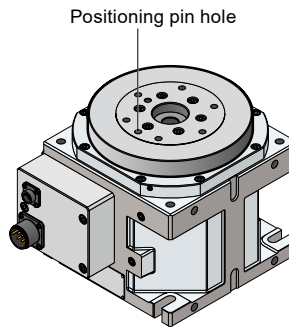
LN-016AA

●Contact a CKD Sales representative for special specifications of this product.

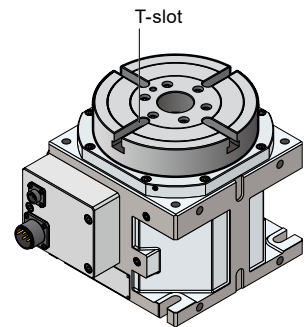
Actuator model No.

Model No.	Content
AX8R-045P-NNNN-FLA78954	Flange table with positioning pin hole
AX8R-045T-NNNN-FLA78955	T-slot table
AX8R-070P-NNNN-FLA78956	Flange table with positioning pin hole
AX8R-070T-NNNN-FLA78957	T-slot table

● Flange table with positioning pin hole



● T-slot table



Actuator specifications

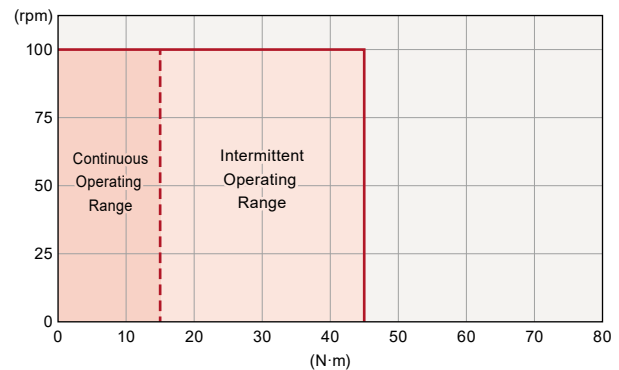
Item		AX8R-045	AX8R-070
Max. output torque	N·m	45	70
Continuous output torque	N·m	15	23
Max. rotation speed	rpm	100	100
Allowable axial load	N	1,200	2200
Allowable moment load	N·m	38	73
Output shaft moment of inertia	kg·m ²	0.033	0.154
Allowable moment of load inertia	kg·m ²	0.9	4
Indexing accuracy	Seconds	±30	
Repeatability	Seconds	±5	
Output shaft friction torque	N·m	5	10
Brake torque	N·m	80	210
Resolution*	P/rev	540672/2097152	
insulation class		Class F	
Dielectric strength		1500 VAC 1 min.	
Insulation resistance		10 MΩ and over, 500 VDC	
Operating ambient temperature		0 to 40 °C	
Operating ambient humidity		20 to 85% RH No condensation	
Storage ambient temperature		-20°C to 80°C	
Storage ambient humidity		20 to 90% RH No condensation	
Atmosphere		Corrosive gas, No explosive gas	
Weight	kg	35	80
Output shaft runout	mm	0.015	0.015
Output shaft surface runout	mm	0.015	0.015
Protection structure		IP65 (IEC60529) or equivalent IP55 (IEC60034-5) or equivalent	

*The shipment status is with resolution 540672P/rev.

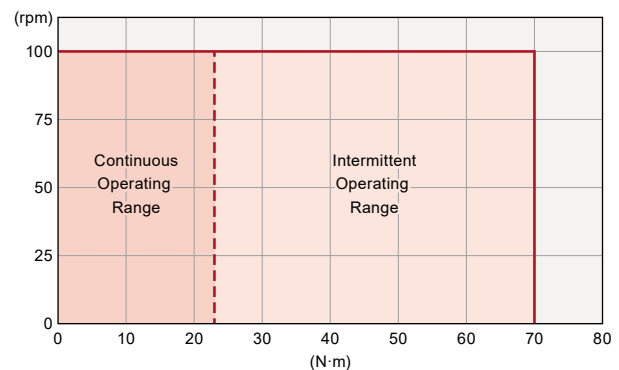
Can be changed with PC software.

Speed / Max. torque characteristics

● AX8R-045



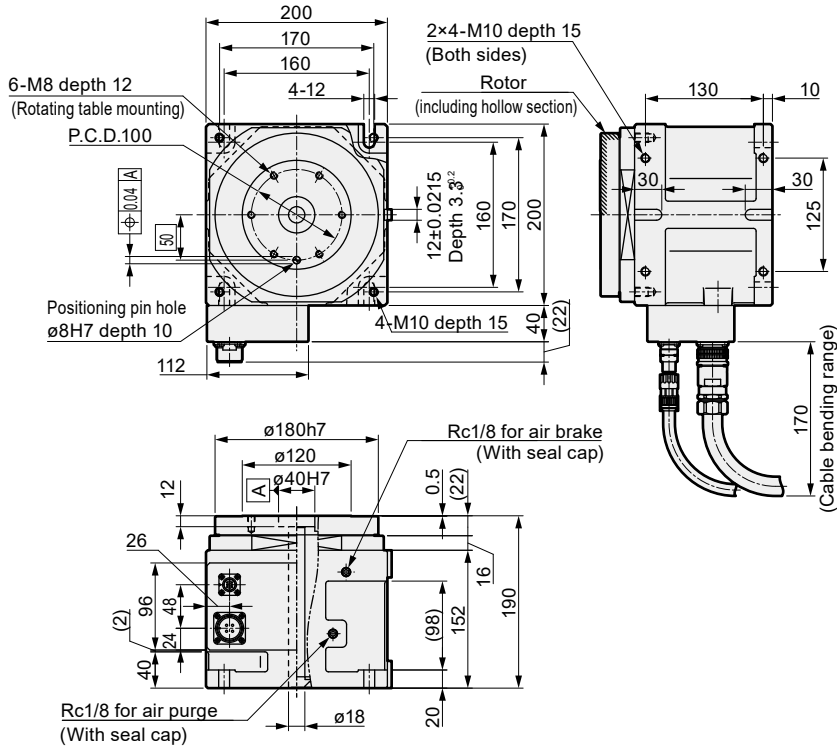
● AX8R-070



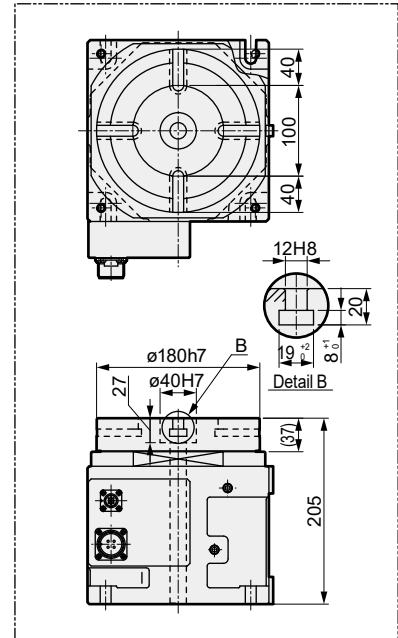
External Dimension Drawings

● AX8R-045

· Flange table with positioning pin hole

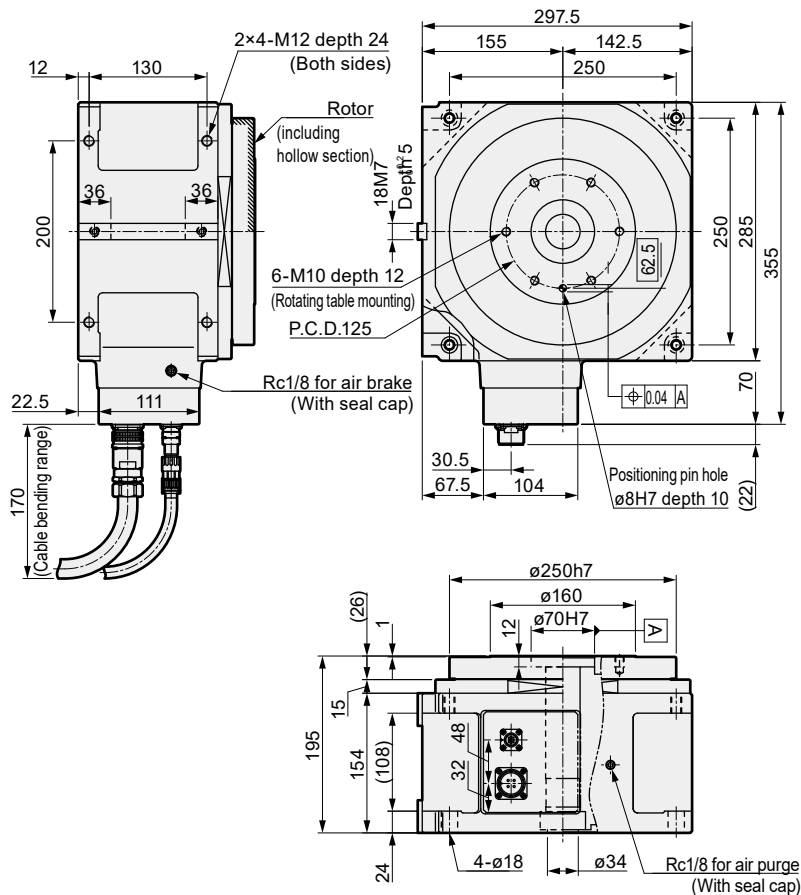


· T-slot table

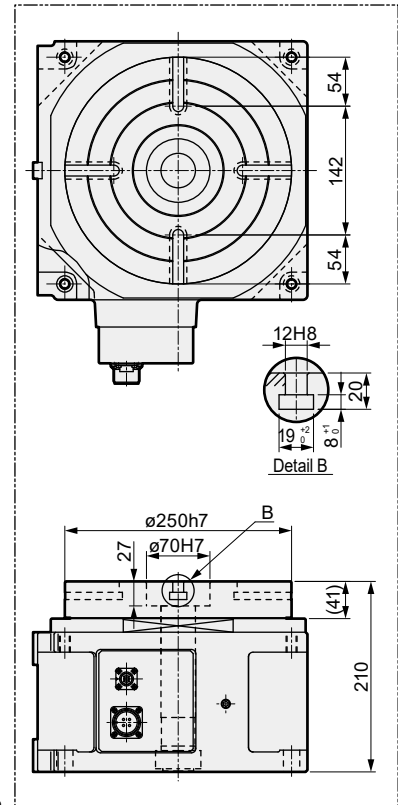


● AX8R-070

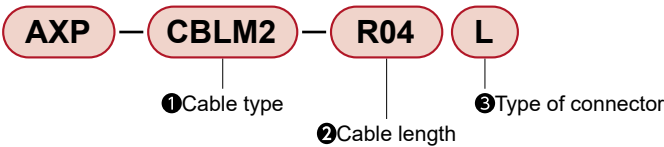
· Flange table with positioning pin hole



· T-slot table

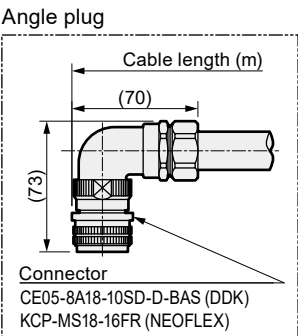
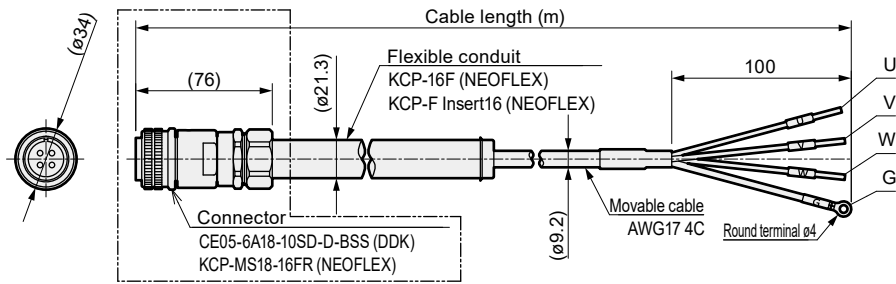


How to order cable / Dimensions diagram [optional]

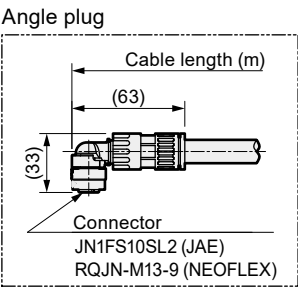
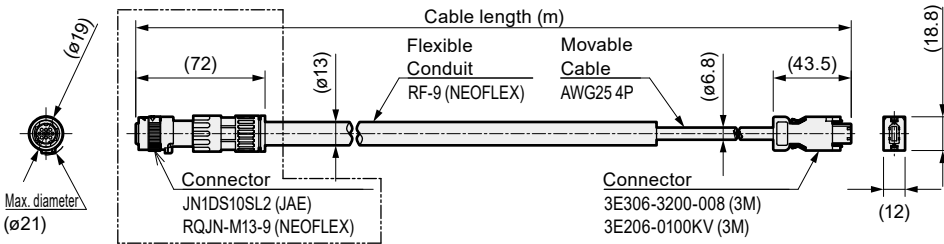


① Cable type		② Cable Length		③ Type of connector	
CBLM2	Power cable	R04	4 m	Blank	Straight plug
CBLE2	Encoder cable	R06	6 m	L	Angle plug
		R08	8 m		
		R10	10 m		
		R15	15 m		
		R20	20 m		

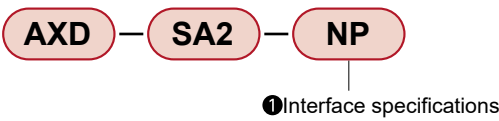
● Power cable AXP-CBLM2 (straight plug)



● Encoder cable AXP-CBLE2 (straight plug)



How to order Drivers [optional]



① Interface specifications	
NP	Parallel I/O (NPN, PNP)
CL	CC-LINK
EC	EtherCAT
EN	EtherNet/IP

*Refer to catalog No.CC-1614AA
for Drivers dimension diagrams.

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