

DH-3

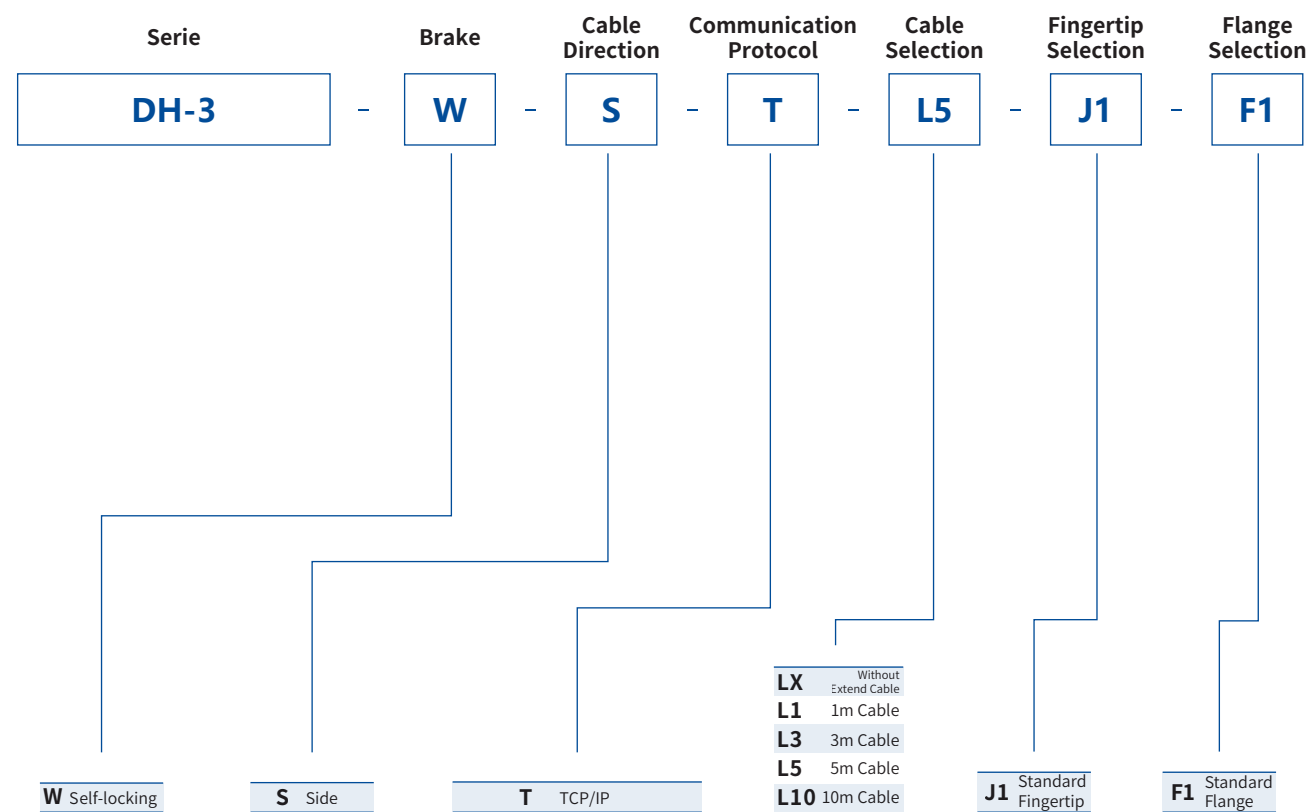
Electric Adaptive Gripper

reddot award 2020
winner

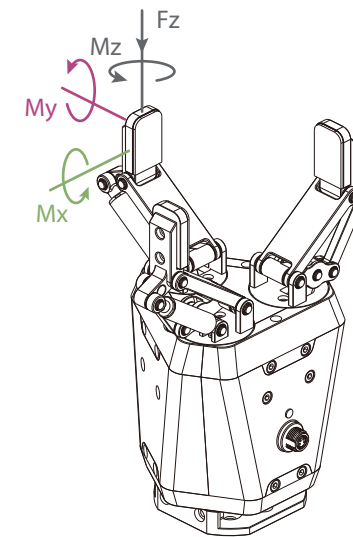


Bottom
installation

Selection Method



TECHNICAL SPECIFICATIONS



Static Vertical Allowable Load

Fz 150 N

Allowable Loading Moment

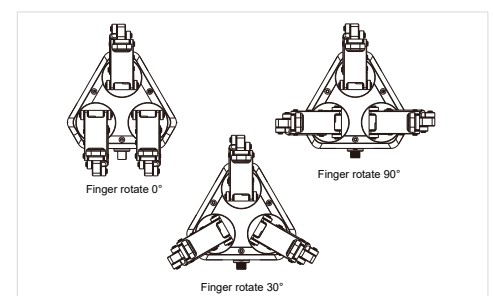
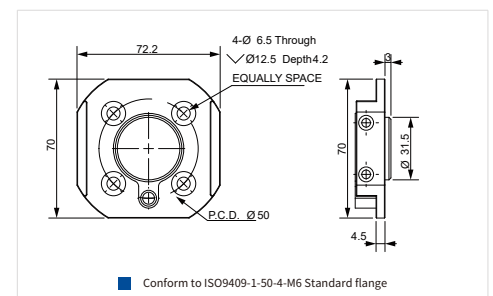
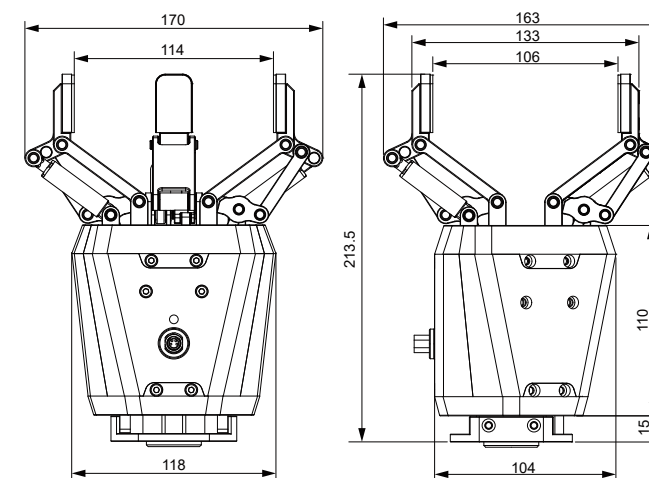
Mx 2.5 N·m

My 2 N·m

Mz 3 N·m

*② The recommended load calculation is based on pure friction force gripping, with a friction coefficient of 0.2 and a safety factor of 4. The center of gravity shift of the gripped object will also affect the load. If you have any questions, please consult us.
*③ Requires external communication convertor or customization, please contact sales or technical support.
*④ When selecting the power supply, please select according to the peak current. If the current is lower than the parameter, it will cause the product can not work normally.

Technical Drawings



Product Parameter

Gripping force (per jaw)	10~65 N
Recommended workpiece weight *①	1.8 kg
Stroke	106 mm (parallel) 122 mm (centric)
Full stroke opening/closing time	0.7 s/0.7 s
Repeat accuracy (position)	± 0.03 mm
Weight	1.68 kg
Size	213.5 mm x 170 mm x 118 mm
Noise emission	< 60 dB
Driving method	Screw nut + gear driv + linkage mechanism

Working Environment

Communication interface	Standard: TCP/IP, USB2.0, CAN2.0A
Rated voltage	24 V DC ± 10%
Current	0.5 A(Rated)/ 1 A(Peak)*③
Rated power	12 W
IP class	IP 40
Recommended environment	0~40°C, under 85% RH
Certification	CE, FCC, RoHS



Build-in Controller



Gripping Force Adjustable



Position Adjustable



Speed Adjustable



Drop Detection



Plug & Play



Self-locking Mechanism