



GeMing

Linear Drive



Rear Mounting Optional Flange Mounting

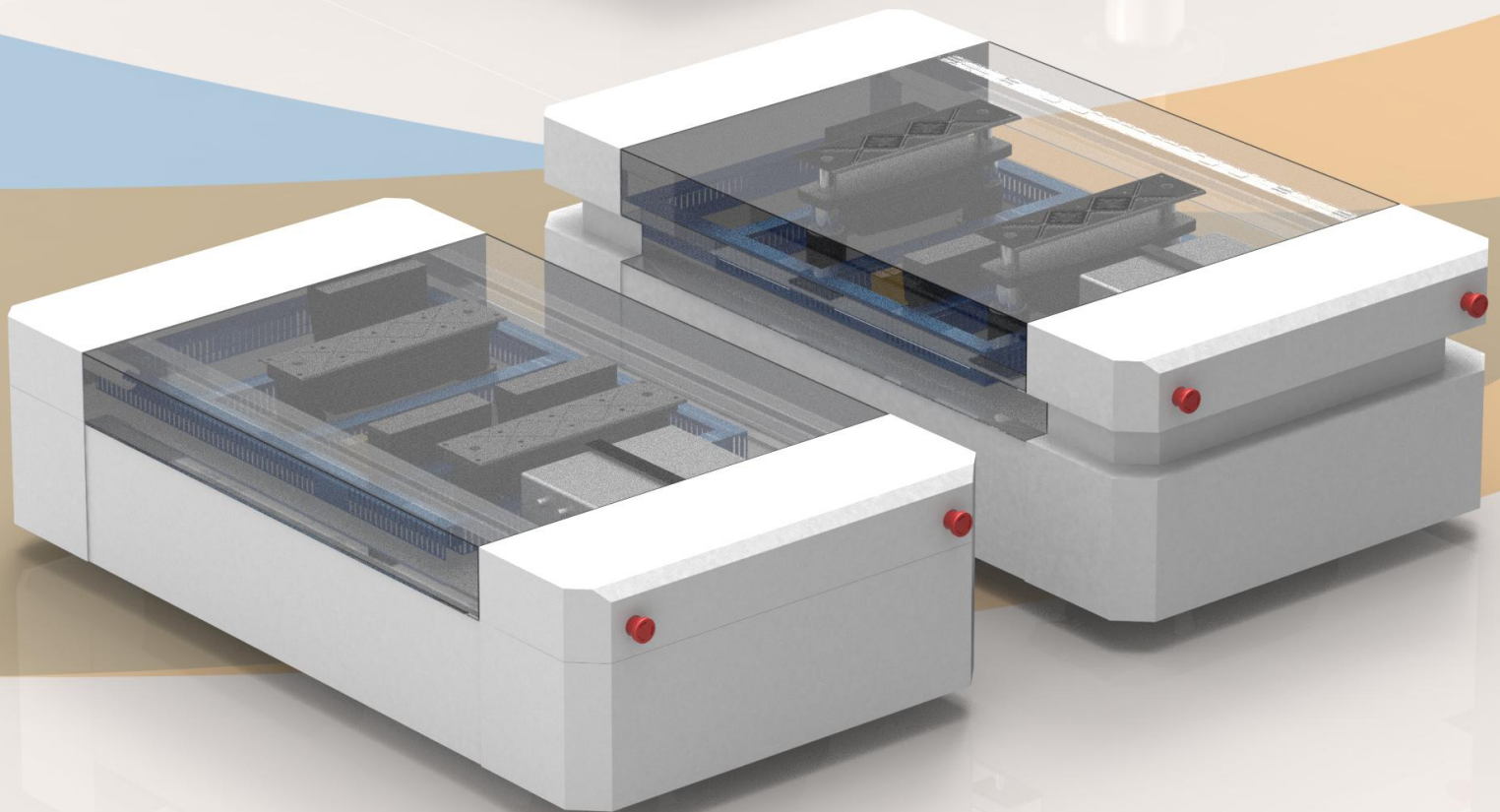
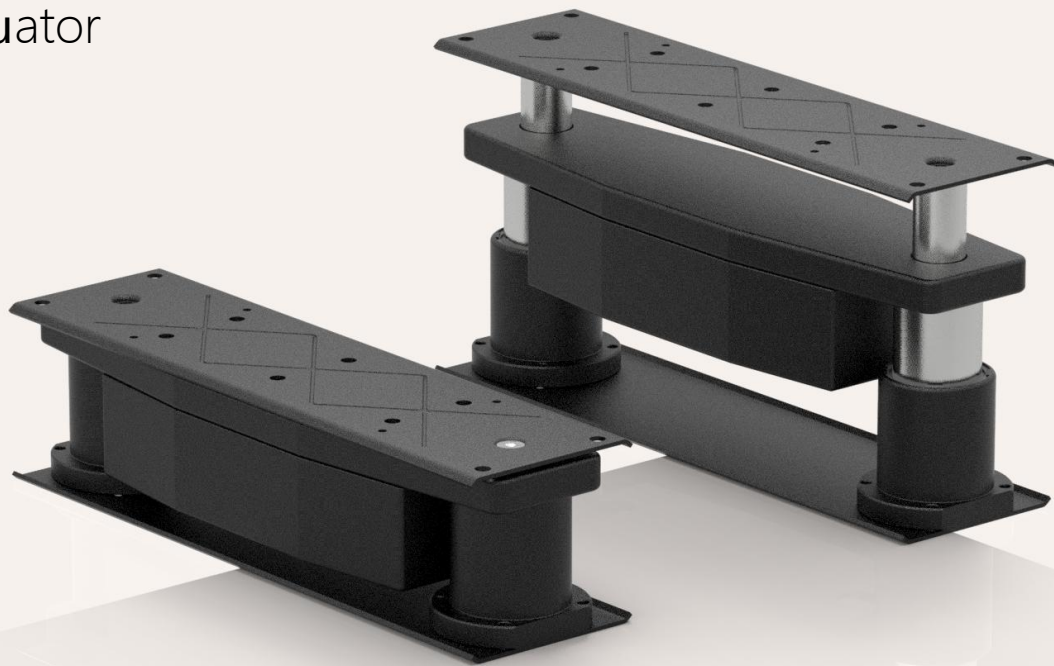
Suitable for AGV electric actuators in unmanned vehicles and industrial automation

Suitable for AGV electric actuators in unmanned vehicles and industrial automation

www.Gemingtech.com

GH10

Series
AGV Actuator



www.Gemingtech.com

GH10

Series

AGV Actuator



Gh10

Series

AGV Actuator



Product Category

1、Robot Applications

2、Industrial applications

As a key component for the efficient operation of logistics robots (AGVs, AMRs), YISHAN Technology has developed a lifting platform and lifting controller specifically for AGV logistics vehicles. YISHAN Technology's latest lifting platform features a long stroke and low installation height, solving the installation space problem of AGV logistics vehicles. YISHAN Technology has designed two lifting methods: DC motor type and brushless DC motor type, categorized by stroke. The lifting controller controls the speed and position of the lifting platform; one controller can drive two lifting platforms and achieve synchronous position control between them.

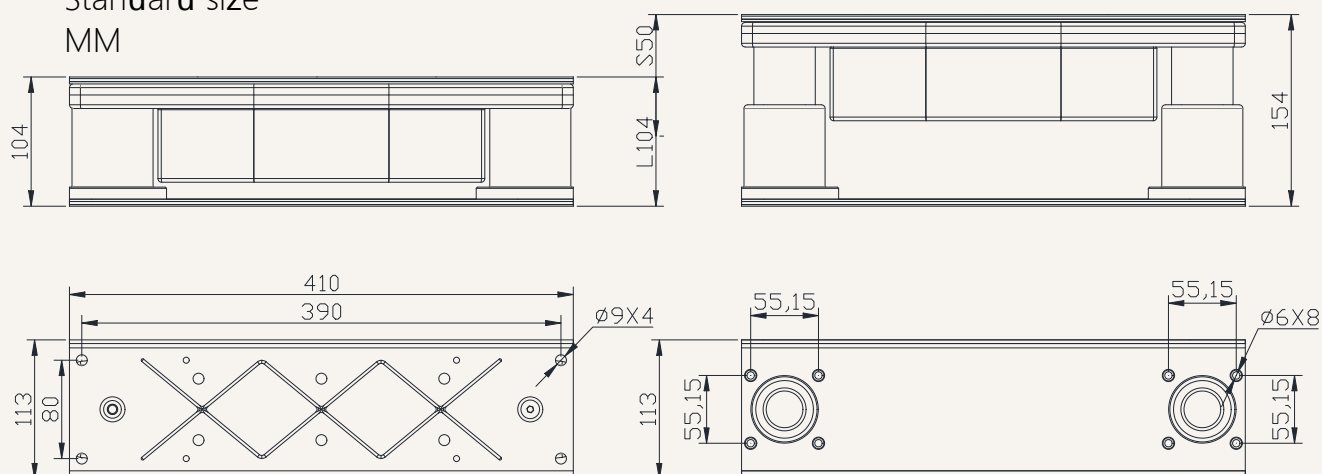
Function Overview

Voltage:	24V ,48V DCor 220V AC DC
Motor options:	motor or brushless DC motor
Maximum thrust (pull):	8,000 N
Slowest speed under load:	7.0mm / s (Load 8,000N)
Standard Itinerary:	50mm; 100mm
Minimum installation size:	104mm

color:	black
Voice:	50~60 DB
Temperature range:	-35 ° C ~ + 75 ° C
Protection level:	IP65
Communication options:	CAN bus, RS-485 communication, Hall effect sensor, endpoint signal
Security Certification:	Comply with ISO9001-2008.
High-strength zinc alloy gearbox and housing :	CE and RoHS standards

GH05 Engineering drawings

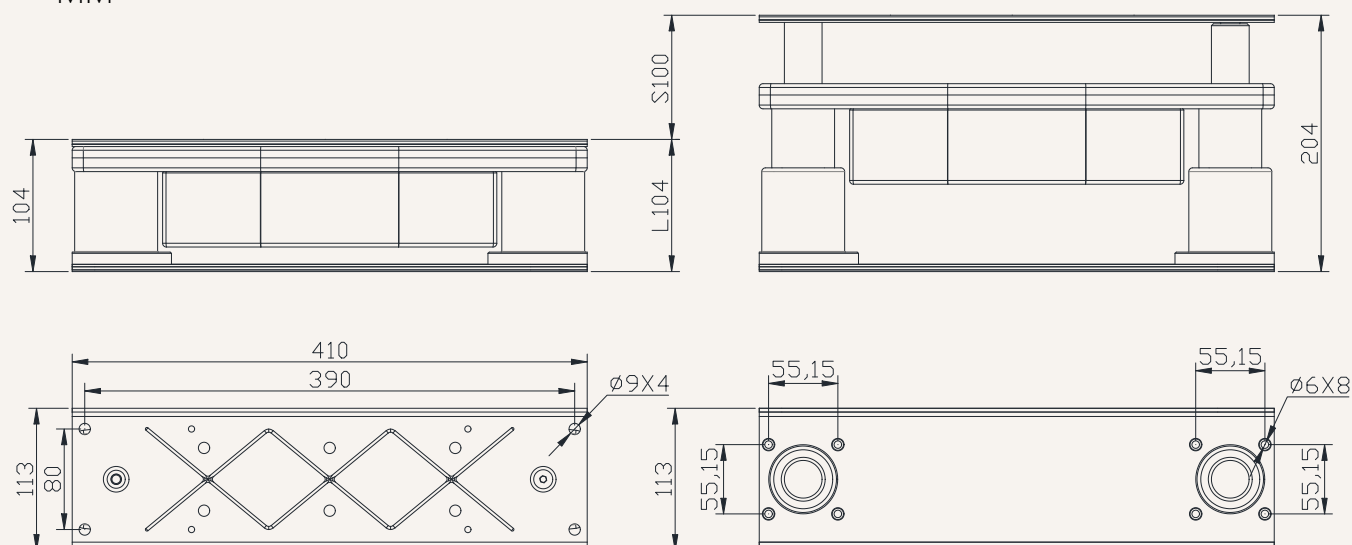
Standard size
MM



型号	A	B	C	D	E	F	G1	G2	W1	W2	Q1	Q2	H	L	S
GH10	104	113	80	410	390	113	55	55	55	55	9X4	6X8	154	104	100

GH10 Engineering drawings

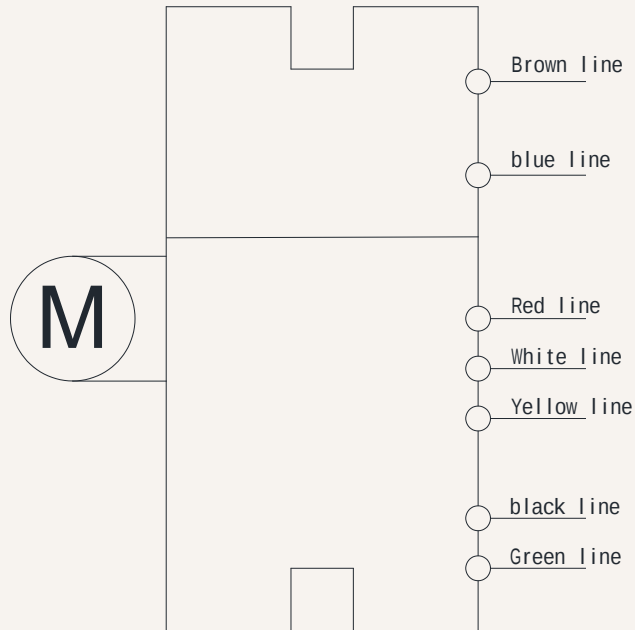
Standard size
MM



Signal feedback Port signal control

Port control motor wiring diagram

code: Y



Wiring instructions:

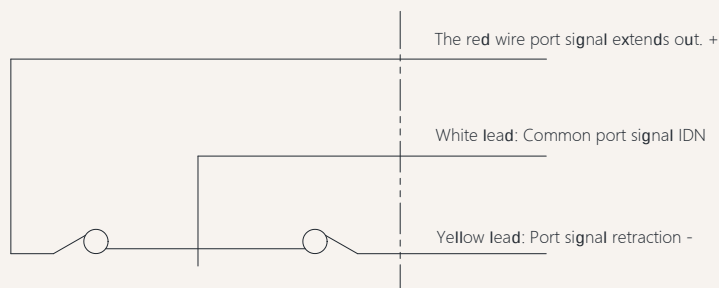
- 1] Brown lead: Positive power supply +
- 2] Blue lead: Negative power supply terminal -
- 3] Red lead: Port signal extends +
- 4] White lead: Common port signal IDN
- 5] Yellow lead: Port signal retraction -
- 6] Black lead: CAN communication H
- 7] Green lead: CAN communication L

Note:

- 1、 Do not reverse the brown/blue power cord, otherwise it may burn out the driver.
- 2、 With CAN bus, excluding terminating resistor: compliant with J1939
- 3、 Speed: Baud Rate: 500kbps

Communication wiring: shielded twisted pair
cableCable impedance: 120Ω (+10%)

Y Control diagram



- 1] When the putter extends: Red and white leads - putter extends.
- 2] When the push rod retracts: Yellow and white leads - push rod retracts.

GH** Model Explanation Selection Code Table

GH10 - 24 20 A
① ② ③ ④

①	Product Model	GH05 = 50 MM Stroke, closure 104MM		GH10 = 100MM Stroke. closure 104MM	
②	Voltage	24 = 24V DC	48 = 48V DC	22 = 22V AC	
③	Load capacity	20 =200KG	30 =300KG	40 =400KG	50 =500KG
		60 =600KG	80 =800KG	10 =1000KG	
④	Communication Protocol	A= RS485 communication	C = CANopen bus	T = EtherCAT bus	
⑤					