



COMMERCIAL SOLUTIONS

Actuator Engineering Reimagined

Discover 
*hitec*technology



ACTUATOR ENGINEERING

Hitec Commercial Solutions is dedicated to pushing the boundaries of actuator technology through diligent research and development, and exemplary engineering prowess. After nearly four decades of success as a world leader in actuator design and manufacturing, Hitec continues to deliver unrivaled reliability, power, speed, and durability. Our unwavering commitment to excellence is what our customers expect and rely upon for the ultimate in affordable precision motion control solutions. Our off-the-shelf and purpose-built custom products regularly incorporate innovative features such as magnetic encoders, brushless motors and titanium gears, delivering optimal performance for your most challenging and demanding industrial and commercial applications. Deployed worldwide, Hitec actuators fulfill mission critical roles in military retrieval ROVs, marine salvage operations and medical robotic instrumentation. Regardless of your requirements, from the steadfast reliability demanded by vending machines and municipal installations, to programmable torque for precision laboratory processes, Hitec Commercial Solutions is your actuator source.

- ▶ **Automation**
- ▶ **Unmanned Systems**
- ▶ **Medical**
- ▶ **Animatronics**
- ▶ **Autonomous Vehicles**
- ▶ **Robotics**

***hitec*technology** [hai-tek-nol-uh-jee / noun.]

1. Superior actuator innovation that is engineered, designed and manufactured exclusively by Hitec Commercial Solutions.
2. The highest caliber of actuator knowledge and performance for all industrial applications.
3. Industry-leading research and development, resulting in premium, cutting-edge products.
4. The combination of all superior Hitec technologies, ensuring the best of the best in actuator advancement.



[HLS12 - p.4](#) | [SG33 - p.5](#) | [MD145SW - p.8](#) | [D141MW - p.12](#) | [D131MW - p.12](#)

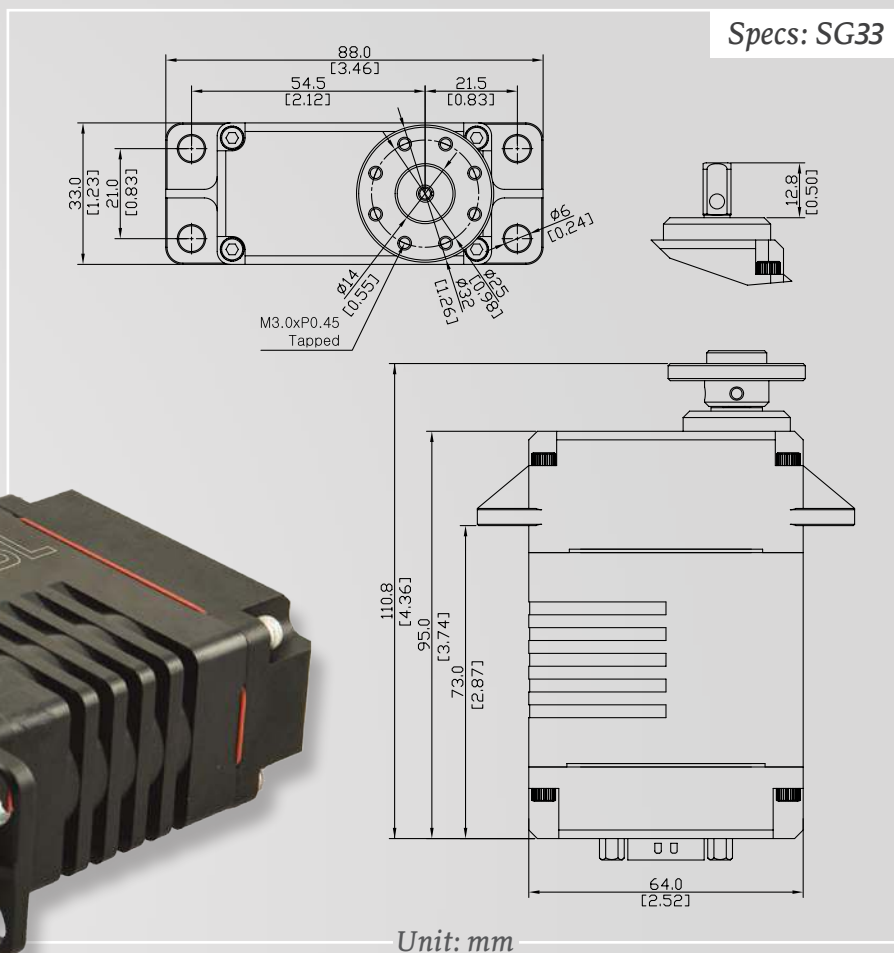
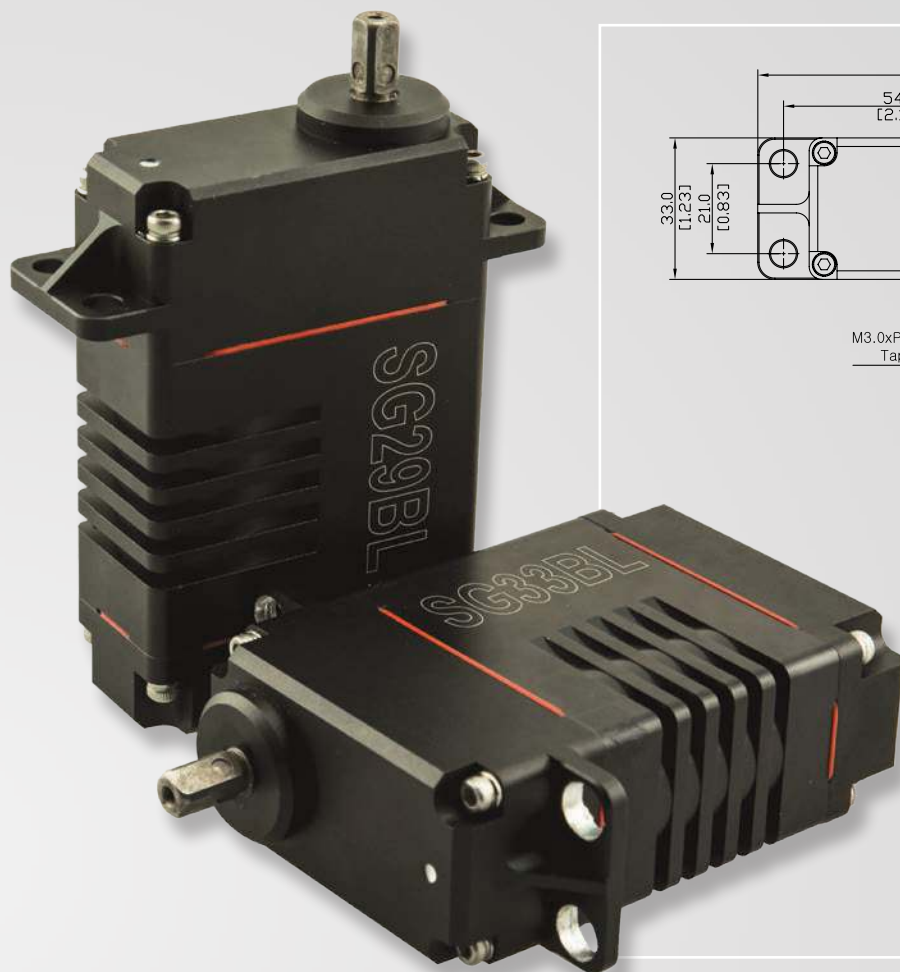
Along with our extensive current product line, Hitec Commercial Solutions is proud to introduce our most recent actuator additions. We have responded to industry demands for a Linear Series with the debut of our HLS12, providing precision repeatability with a variety of stroke options. Expanding on the proficient strength of the SG Series, our SG33 is now available with CAN Bus interface capability as well as Ardupilot® and PX4® open source protocols. We are also incorporating the reliable UAVCAN communication protocol into a wide collection of our actuators, including the slim wing MD145SW and the popular MD65MG. Catering to industrial and commercial clients with innovative solutions is the foundation of our company mission, and the driving force behind our continued dedication to actuator excellence.

- Hitec Quality in a Linear Actuator
- Accurate Repeatability
- Available in Various Stroke Lengths



HLS12

Stroke Length		30mm	50mm	100mm
Control Signal		PWM (1000µs ~ 2000µs)		
Operating Voltage Range		4.8 ~ 7.4 Volts DC		
Motor Type		DC Cored (Carbon Brush)		
Controller (MCU)		32Bits		
Gear Ratio		100:1		
Max Side Load (Extended)		40N 30N 15N		
Voltage		@ 4.8V @ 6.0V @ 7.4V		
No Load Speed Range		10mm/s 13mm/s 15mm/s		
Idle Current		45mA 50mA 55mA		
No Load Current		75mA 80mA 90mA		
Load Speed	1.7Kg (17N)	8mm/s 11mm/s 13mm/s		
	3.1Kg (31N)	4mm/s 7mm/s 12mm/s		
	4.2Kg (42N)	3mm/s 5mm/s 9mm/s		
Load Current	1.7Kg (17N)	200mA 210mA 220mA		
	3.1Kg (31N)	290mA 300mA 310mA		
	4.2Kg (42N)	390mA 400mA 410mA		
Stall Current		500mA 600mA 700mA		
Max Static Load		200N		
Max Linear Force		4.2Kg (42N)		
Operating Temperature Range		-10°C ~ +50°C		
Vibrations at No Load		MIL-STD-810G 514.6C-VII		
Connector Wire Length		160mm (6.29 in.)		
Dimensions		82 x 15 x 18mm 3.23 x 0.60 x 0.70 in	102 x 15 x 18mm 4.02 x 0.60 x 0.70 in	152 x 15 x 18mm 5.98 x 0.60 x 0.70 in
Weight		34g / 1.20 oz	40g / 1.41 oz	56g / 1.98 oz
Case Material		Plastic / Metal		
Gear Type		Metal		
Repeatability		±0.2mm	±0.3mm	±0.5mm



- Programmable Digital Circuit w/MOSFET Amplifier
- High-Performance, Long Life BLDC Motor
- Magnetic Encoder Position Sensor
- Wide Operating Voltage Range
- Robust Hardened Steel Gears
- Low Gear Backlash (<0.5°)
- Dual Ball Bearing Supported Output Shaft
- Needle Bearing Supported Idlers
- Rugged Anodized Aluminum Alloy Case
- IP67 Waterproof Rating
- Capable of 360° Proportional Rotation
- Customization and Modification Options Available

Supports:



SG29BLS / SG29BLT

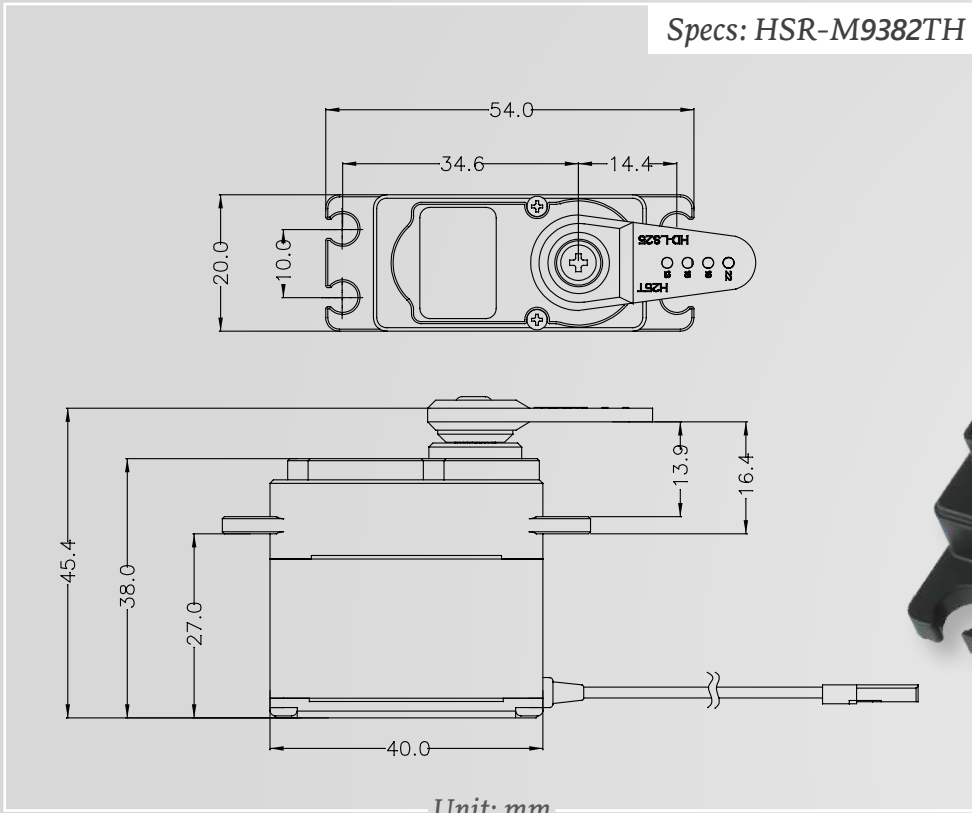
SG33BLS / SG33BLT

Class Size	29mm	33mm
Control Signal	CAN (2.0A or 2.0B) / UAVCAN / RS-485 / PWM / TTL	
Motor Type	BLDC	
Operating Voltage Range	9.0 ~ 15 Volts DC	
No Load Speed Range	0.17 ~ 0.14 Sec @ 60°	0.20 ~ 0.17 Sec @ 60°
Peak Torque Range	74.5 ~ 94.1 kgf-cm 1035 ~ 1265 oz-in	132.7 ~ 162.2 kgf-cm 1843 ~ 2253 oz-in
Current Draw at Idle	45mA	
Maximum Current Draw	9,000mA	10,000mA
Dimensions	64 x 29 x 97mm 2.52 x 1.14 x 3.82 in	64 x 33 x 95mm 2.52 x 1.30 x 3.74 in
Weight	380g / 13.40 oz	400g / 14.10 oz
Gear Type	MPD 1st Gear & 3 Hardened Steel Gears	
Bearings	Dual Ball & Needle Bearings	
Output Shaft	6.5mm Square	
Case Material	Rugged Aluminum Alloy	

Brushless Series

- Programmable 12-bit Digital PWM Circuitry
- High-Performance Brushless Motor
- Constant Torque Output Across Voltage Range
- HSR-M9382TH Capable of 360° Proportional Rotation

Specs: HSR-M9382TH



Unit: mm



HSB-M9381TH / HSR-M9382TH

- Magnetic Encoder Position Sensor

HSB-M9381TH

HSR-M9382TH

HSB-9465SH

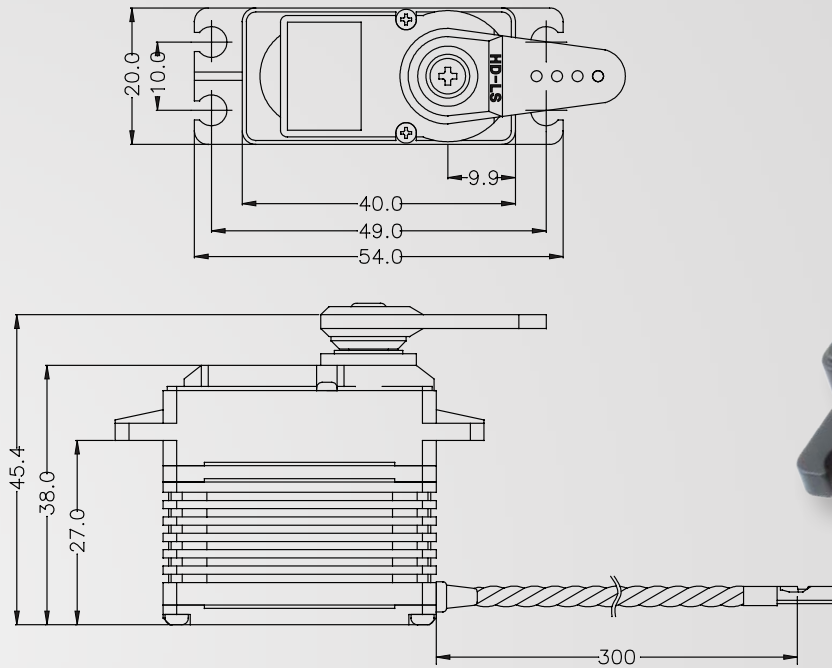
HSB-9485SH

Class Size	20mm		
Control Signal	PWM		
Motor Type	BLDC		
Operating Voltage Range	6.0 ~ 7.4 Volts DC		
No Load Speed Range	0.17 ~ 0.14 Sec @ 60°	0.09 ~ 0.07 Sec @ 60°	0.18 ~ 0.15 Sec @ 60°
Peak Torque Range	34 kgf-cm / 472 oz-in	13.5 kgf-cm / 187 oz-in	26 kgf-cm / 361 oz-in
Current Draw at Idle	27mA	30mA	
Maximum Current Draw	2,700mA	900mA	1,100mA
Dimensions	40 x 20 x 38mm / 1.57 x 0.79 x 1.50 in	40 x 20 x 37mm / 1.57 x 0.78 x 1.45 in	
Weight	68g / 2.40 oz	62g / 2.18 oz	
Gear Type	MPD 1st Gear & 3 Titanium / Steel Gears	MK 1st Gear & 3 Metal Gears	
Bearings	Dual Ball Bearing		
Output Shaft	25 Tooth		
Case Material	Plastic		

- Low Power Consumption for Energy Efficiency
- Aluminum Alloy Case

- Customization and Modification Options Available

Specs: HSB-9380TH



Unit: mm



	HSB-9360TH	HSB-9370TH	HSB-9380TH	HSB-9381TH
Class Size	20mm			
Control Signal	PWM			
Motor Type	BLDC			
Operating Voltage Range	6.0 ~ 7.4 Volts DC			
No Load Speed Range	0.08 ~ 0.06 Sec @ 60°	0.12 ~ 0.10 Sec @ 60°	0.17 ~ 0.14 Sec @ 60°	
Peak Torque Range	17 kgf-cm / 236 oz-in	25 kgf-cm / 347 oz-in	34 kgf-cm / 472 oz-in	
Current Draw at Idle	27mA			
Maximum Current Draw	2,700mA			
Dimensions	40 x 20 x 38mm / 1.57 x 0.79 x 1.50 in			
Weight	68g / 2.40 oz			
Gear Type	MPD 1st Gear & 3 Titanium / Steel Gears			
Bearings	Dual Ball Bearing			
Output Shaft	25 Tooth			
Case Material	Plastic / Aluminum			Aluminum Alloy

MD Series

**Control Signals Available
on Certain Models:**

CAN Bus

UAVCAN

RS-485

PWM

- High Resolution 32-bit Programmable Digital Circuit
- Heavy-Duty, Long Life Motors
- Magnetic Encoder Position Sensor
- IP65 Rated Cases



MD145SW

MD65MG

MD245MW

MD950TW

Class Size	10mm	12mm	17mm	20mm
Control Signal	CAN (2.0A or 2.0B) / UAVCAN / RS-485 / PWM / TTL			
Motor Type	Cored	DC Cored	Coreless	
Operating Voltage Range	4.8 ~ 7.4 Volts DC	4.8 ~ 6.0 Volts DC	4.8 ~ 7.4 Volts DC	
No Load Speed Range	0.21 ~ 0.14 Sec @ 60°	0.14 ~ 0.11 Sec @ 60°	0.17 ~ 0.11 Sec @ 60°	0.21 ~ 0.17 Sec @ 60°
Peak Torque Range	3.9 ~ 6.0 kgf-cm 54 ~ 84 oz-in	1.8 ~ 2.2 kgf-cm 25 ~ 31 oz-in	4.2 ~ 6.4 kgf-cm 59 ~ 89 oz-in	36 ~ 44 kgf-cm 500 ~ 611 oz-in
Current Draw at Idle	30mA			
Maximum Current Draw	2,500mA	1,200mA	1,600mA	6,200mA
Dimensions	30 x 10 x 37mm 1.18 x 0.39 x 1.45 in	23.6 x 11.6 x 25.8mm 0.92 x 0.45 x 1.12 in	32.4 x 16.8 x 32.8mm 1.28 x 0.66 x 1.29 in	40 x 20 x 38mm 1.57 x 0.79 x 1.50 in
Weight	27.7g / 0.98 oz	11.9g / 0.42 oz	34g / 1.20 oz	68g / 2.40 oz
Gear Type	1 Metal / Plastic & 4 Metal Gears	1 Resin & 4 Metal Gears	MP 1st Gear & 3 Metal Gears	MP 1st Gear & 3 Titanium Alloy
Bearings	Dual Ball Bearing	Single Ball Bearing	Dual Ball Bearing	
Output Shaft	25 Tooth			
Case Material	Plastic		Plastic / Metal	

All CAN / UAVCAN Supports



	MD70MH	MD85MG	MD250MW
Class Size	12mm	13mm	15mm
Control Signal	CAN (2.0A or 2.0B) / UAVCAN / PWM / TTL		
Motor Type	Cored	3 Pole Cored Carbon Brush	
Operating Voltage Range	4.8 ~ 7.4 Volts DC	4.8 ~ 6.0 Volts DC	4.8 ~ 7.4 Volts DC
No Load Speed Range	0.15 ~ 0.12 Sec @ 60°	0.17 ~ 0.13 Sec @ 60°	0.20 ~ 0.13 Sec @ 60°
Peak Torque Range	3.1 ~ 3.8 kgf-cm / 43 ~ 53 oz-in	3.6 ~ 4.3 kgf-cm / 50 ~ 60 oz-in	4.9 ~ 7.5 kgf-cm / 68 ~ 104 oz-in
Current Draw at Idle	30mA		40mA
Maximum Current Draw	1,300mA	1,800mA	1,600mA
Dimensions	23.6 x 11.6 x 30mm 0.92 x 0.45 x 1.18 in	29 x 13 x 30mm 1.14 x 0.51 x 1.18 in	35 x 15 x 33mm 1.38 x 0.59 x 1.30 in
Weight	14.1g / 0.49 oz	25g / 0.88 oz	31g / 1.09 oz
Gear Type	1 Resin & 4 Metal Gears	5 Metal Gears	MP 1st Gear & 4 Steel Gears
Bearings	Single Ball Bearing	Top Ball Bearing	Dual Ball Bearing
Output Shaft	25 Tooth		
Case Material	Plastic		

	MD89MW	MD485HW	MD980TW
Class Size	13mm	20mm	22mm
Control Signal	PWM / TTL		
Motor Type	Coreless	Cored Carbon Brush	Coreless
Operating Voltage Range	4.8 ~ 7.4 Volts DC		6.0 ~ 7.4 Volts DC
No Load Speed Range	0.17 ~ 0.11 Sec @ 60°	0.20 ~ 0.15 Sec @ 60°	0.21 ~ 0.17 Sec @ 60°
Peak Torque Range	5.3 - 8.5 kgf-cm / 74 - 118 oz-in	4.8 ~ 7.4 kgf-cm / 67 ~ 103 oz-in	36 ~ 44 kgf-cm / 500 ~ 611 oz-in
Current Draw at Idle	30mA		
Maximum Current Draw	2,900mA	1,500mA	10,000mA
Dimensions	29 x 13 x 30mm 1.14 x 0.51 x 1.18 in	39.8 x 19.8 x 38mm 1.57 x 0.78 x 1.50 in	43.8 x 22.4 x 40mm 1.72 x 0.88 x 1.57 in
Weight	25g / 0.88 oz	45g / 1.6 oz	79g / 2.79 oz
Gear Type	5 Metal Gears	Plastic Resin Gears	MK 1st Gear & 3 Titanium / Steel Gears
Bearings	Dual Ball Bearing	Top Ball Bearing	Dual Ball Bearing
Output Shaft	25 Tooth		
Case Material	Plastic		Plastic / Metal

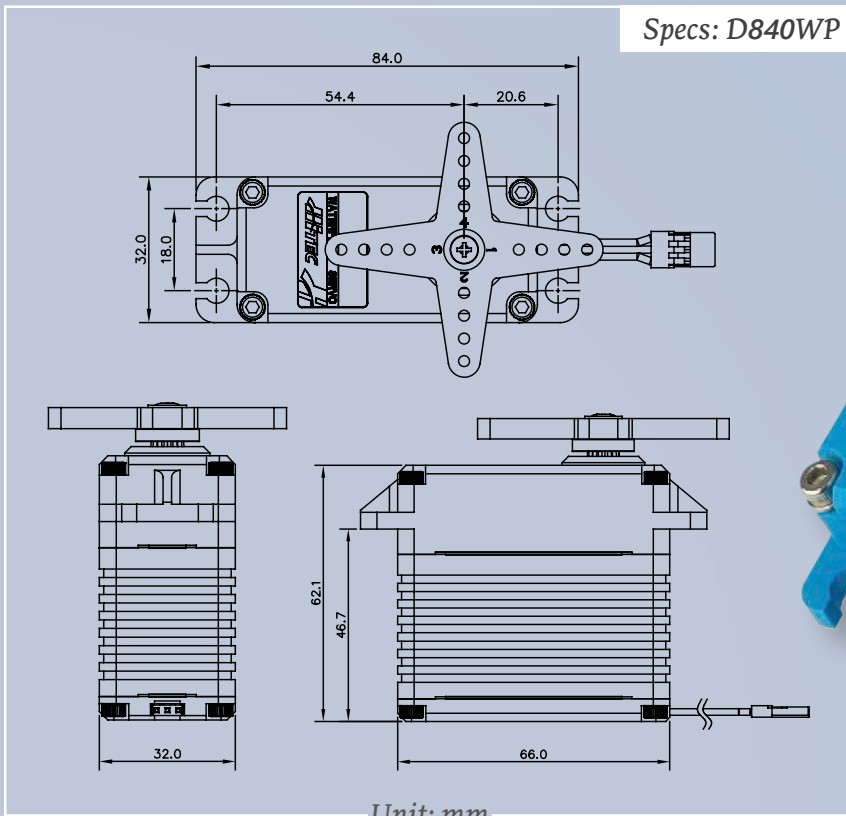


- IP67 Waterproof Rating
- Magnetic Encoder Position Sensor
- 5-Pole Cored Carbon Brush Motor
- Robust Hardened Steel Gears
- Customization and Modification Options Available

MD845WP / MDR845WP

MD1100WP

Class Size	32mm	33mm
Control Signal	PWM / TTL	
Motor Type	5 Pole Cored Carbon Brush	
Operating Voltage Range	4.8 ~ 7.4 Volts DC	11.1 ~ 14.8 Volts DC
No Load Speed Range	0.26 ~ 0.17 Sec @ 60° 56 ~ 67 RPM	0.26 ~ 0.19 Sec @ 60°
Peak Torque Range	32.5 ~ 50.0 kgf-cm 452 ~ 695 oz-in	84.0 ~ 110.0 kgf-cm 1167 ~ 1528 oz-in
Current Draw at Idle	30mA	
Maximum Current Draw	10,000mA	6,500mA
Dimensions	66 x 32 x 62mm 2.6 x 1.26 x 2.44 in	64 x 33 x 73mm 2.52 x 1.30 x 2.87 in
Weight	227g / 8.01 oz	363g / 12.80 oz
Gear Type	MK 1st Gear & 4 Steel Gears	Steel Gears
Bearings	Dual Ball Bearing	
Output Shaft	15 Tooth	6.5mm Square
Case Material	Plastic / Aluminum	Metal
IP Rating	IP67	



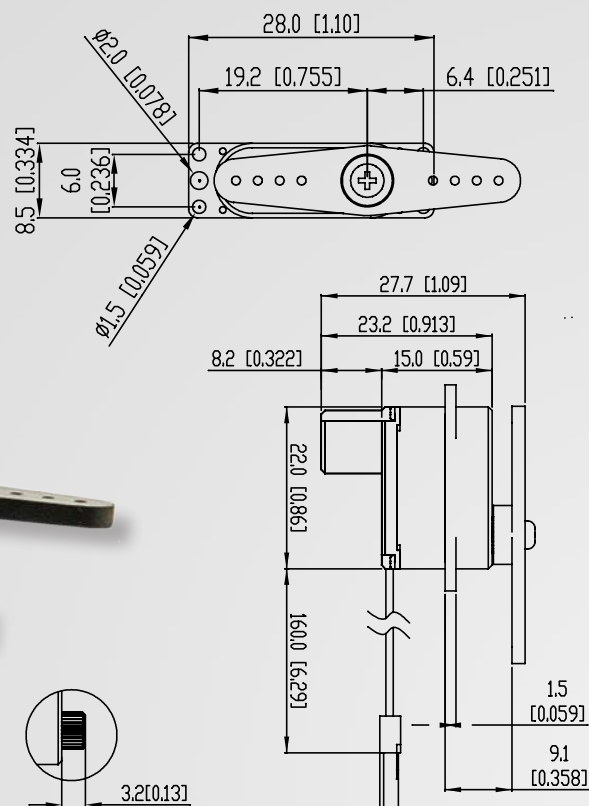
WATERPROOF

- IP67 Waterproof Rating
- High Resolution, 32-Bit Digital Circuitry w/ 12-Bit ADC

	D646WP	DB777WP	D840WP	D845WP
Class Size	20mm	21mm	32mm	
Control Signal	PWM / TTL			
Motor Type	3 Pole Cored	BLDC	5 Pole Cored Carbon Brush	
Operating Voltage Range	4.8 ~ 7.4 Volts DC	6.0 ~ 7.4 Volts DC	4.8 ~ 7.4 Volts DC	
No Load Speed Range	0.28 ~ 0.17 Sec @ 60°	0.08 ~ 0.06 Sec @ 60°	0.17 ~ 0.11 Sec @ 60°	0.26 ~ 0.17 Sec @ 60°
Peak Torque Range	8.3 ~ 12.9 kgf-cm 115 ~ 180 oz-in	8.0 ~ 11.0 kgf-cm 111 ~ 153 oz-in	19.0 ~ 30.0 kgf-cm 264 ~ 417 oz-in	32.5 ~ 50.0 kgf-cm 454 ~ 698 oz-in
Current Draw at Idle	30mA	40mA	30mA	
Maximum Current Draw	2,650mA	4,500mA	10,000mA	
Dimensions	40.6 x 19.8 x 37.8mm 1.60 x 0.78 x 1.49 in	41.0 x 21.0 x 26.5mm 1.61 x 0.83 x 1.04 in	66 x 32 x 62mm 2.60 x 1.26 x 2.44 in.	
Weight	57g / 2.01 oz	68g / 2.40 oz	227g / 8.0 oz	
Gear Type	MP 1st Gear & 3 Metal Gears	2 Steel & 3 Metal Gears	MP 1st Gear & 4 Steel Gears	
Bearings	Dual Ball Bearing			
Output Shaft	25 Tooth		15 Tooth	
Case Material	Plastic		Plastic / Metal	
IP Rating	IP67			

D-Series

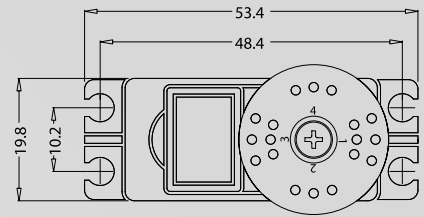
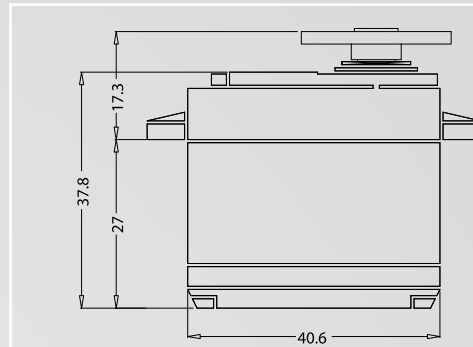
- High Resolution 32-bit Digital Circuitry w/ 12-bit ADC
- 1M Cycle, Long Life Potentiometers
- Wide Operating Voltage (4.8 ~ 7.4V)
 - Exception > D141MW (6.0 ~ 7.4V) & D777MG (4.8 ~ 6.0V)
- IP65 Rated Cases
- PWM or TTL Protocol Capability



Unit: mm

Specs: D131MW

	D131MW	D141SW	D145SW	D89MW
Class Size	8.5mm	10mm		13mm
Control Signal	PWM / TTL			
Motor Type	Coreless		3 Pole Cored Carbon Brush	Coreless
Operating Voltage Range	4.8 ~ 7.4 Volts DC			
No Load Speed Range	0.18 ~ 0.11 Sec @ 60°	0.14 ~ 0.09 Sec @ 60°	0.21 ~ 0.14 Sec @ 60°	0.17 ~ 0.11 Sec @ 60°
Peak Torque Range	1.7 ~ 2.7 kgf-cm 24 ~ 37 oz-in	4.4 ~ 6.8 kgf-cm 62 ~ 96 oz-in	3.9 ~ 6.0 kgf-cm 54 ~ 83 oz-in	5.3 ~ 8.5 kgf-cm 74 ~ 118 oz-in
Current Draw at Idle	30mA			
Maximum Current Draw	900mA	2,500mA	2,500mA	2,900mA
Dimensions	22 x 8.5 x 22.8mm 0.87 x 0.33 x 0.9 in	30 x 10 x 29.5mm 1.18 x 0.39 x 1.16 in	30 x 10 x 37mm 1.18 x 0.39 x 1.49 in	29 x 13 x 30mm 1.14 x 0.51 x 1.18 in
Weight	9.4g / 0.33 oz	27g / 0.95 oz	24g / 0.85oz	25g / 0.88 oz
Gear Type	5 Metal Gears	MP 1st Gear & 4 Steel Gears	MP 1st Gear & 4 Metal Gears	5 Metal Gears
Bearings	Dual Ball Bearing			
Output Shaft	25 Tooth		23 Tooth	25 Tooth
Case Material	Metal		Plastic / Metal	Plastic



Unit: mm

Specs: D625MW

D625MW

D645MW

D777MG

Class Size	20mm		
Control Signal	PWM / TTL		
Motor Type	3 Pole Cored		Coreless
Operating Voltage Range	4.8 ~ 7.4 Volts DC		4.8 ~ 6.0 Volts DC
No Load Speed Range	0.20 ~ 0.13 Sec @ 60°	0.28 ~ 0.17 Sec @ 60°	0.09 ~ 0.07 Sec @ 60°
Peak Torque Range	6.3 ~ 10.0 kgf-cm / 87 ~ 139 oz-in	8.3 ~ 12.9 kgf-cm / 115 ~ 180 oz-in	5.2 ~ 6.5 kgf-cm / 72 ~ 90 oz-in
Current Draw at Idle	30mA		
Maximum Current Draw	2,650mA		3,000mA
Dimensions	40.6 x 19.8 x 37.8mm / 1.6 x 0.78 x 1.49 in		40.4 x 21 x 25.4mm / 1.59 x 0.83 x 1.00 in
Weight	60g / 2.11 oz		45g / 1.59 oz
Gear Type	MP 1st Gear & 3 Metal Gears		
Bearings	Dual Ball Bearing		
Output Shaft	25 Tooth		
Case Material	Plastic		

D930SW

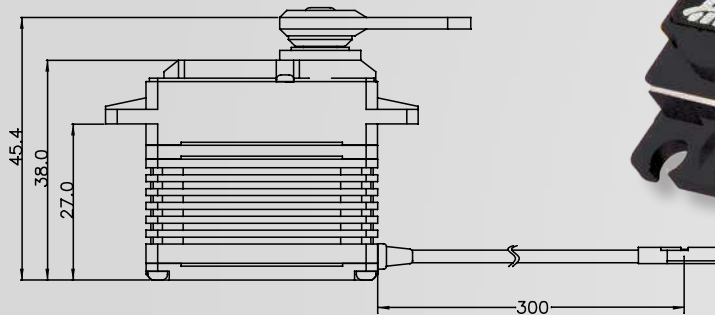
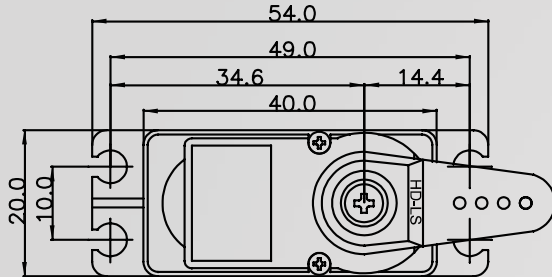
D954SW

D955TW

Class Size	20mm		
Control Signal	PWM / TTL		
Motor Type	Coreless		
Operating Voltage Range	4.8 ~ 7.4 Volts DC		
No Load Speed Range	0.11 ~ 0.07 Sec @ 60°	0.19 ~ 0.12 Sec @ 60°	
Peak Torque Range	8.0 ~ 13.0 kgf-cm / 112 ~ 182 oz-in	18.0 ~ 29.0 kgf-cm / 251 ~ 405 oz-in	18.0 ~ 28.0 kgf-cm / 250 ~ 388 oz-in
Current Draw at Idle	30mA		
Maximum Current Draw	5,000mA		
Dimensions	40 x 20 x 37mm / 1.58 x 0.79 x 1.46 in		
Weight	66g / 2.33 oz	68g / 2.40 oz	65g / 2.29 oz
Gear Type	MK 1st Gear & 3 Steel Gears		MK 1st Gear & 3 Titanium / Steel Gears
Bearings	Dual Ball Bearing		
Output Shaft	25 Tooth		
Case Material	Plastic / Metal		

D940 / 941 / 945 / 946 / 950 / 951TW

- Long Life Coreless Motors
- Heavy-Duty Titanium Gears



Specs: D951TW

Unit: mm



D940 / D941TW

D945 / D946TW

D950 / D951TW

D980TW

Class Size	20mm						22mm
Control Signal	PWM / TTL						
Motor Type	Coreless						
Operating Voltage Range	4.8 ~ 7.4 Volts DC						
No Load Speed Range	0.11 ~ 0.07 Sec @ 60°		0.16 ~ 0.10 Sec @ 60°		0.23 ~ 0.14 Sec @ 60°		0.28 ~ 0.17 Sec @ 60°
Peak Torque Range	10.0 ~ 16.5 kgf-cm 139 ~ 229 oz-in		14.0 ~ 23.0 kgf-cm 194 ~ 319 oz-in		21.0 ~ 35.0 kgf-cm 292 ~ 486 oz-in		26.0 ~ 44.0 kgf-cm 361 ~ 611 oz-in
Current Draw at Idle	30mA						
Maximum Current Draw	6,000mA						10,000mA
Dimensions	40 x 20 x 38mm / 1.57 x 0.79 x 1.50 in						43.8 x 22.4 x 40.0mm 1.72 x 0.88 x 1.57 in
Weight	68g / 2.40 oz	80g / 2.82 oz	68g / 2.40 oz	80g / 2.82 oz	68g / 2.40 oz	80g / 2.82 oz	79g / 2.76 oz
Gear Type	MK 1st Gear & 3 Titanium / Steel Gears						
Bearings	Dual Ball Bearing						
Output Shaft	25 Tooth						
Case Material	Plastic / Aluminum Alloy	Full Aluminum Alloy	Plastic / Aluminum Alloy	Full Aluminum Alloy	Plastic / Aluminum Alloy	Full Aluminum Alloy	Plastic / Aluminum Alloy

Continuous Rotation Series [Manufactured with *hitec* technology]

- Non-Proportional
- Directional Linear Speed Control
- Ideal Design for Robotic Applications

	HSR-2645CR	HSR-1425CR	HSB-9361CR	HSR-M9382TH	MDR-845WP
Class Size	20mm				32mm
Control Signal	PWM				
Motor Type	3 Pole Cored		BLDC		5 Pole Cored Carbon Brush
Operating Voltage Range	4.8 ~ 6.0 Volts DC		6.0~ 7.4 Volts DC		4.8 ~ 7.4 Volts DC
No Load Speed Range	46 ~ 72 RPM	43 ~ 52 RPM	125 ~ 143 RPM	59 ~ 71 RPM	56 ~ 67 RPM
Peak Torque Range	8.0 ~ 10.0 kgf-cm 111 ~ 139 oz-in	2.8 ~ 3.4 kgf-cm 39 ~ 47 oz-in	17 kgf-cm / 236 oz-in	34 kgf-cm / 472 oz-in	32.5 ~ 50.0 kgf-cm 452 ~ 695 oz-in
Current Draw at Idle	10mA		27mA		30mA
Maximum Current Draw	2,000mA	1,000mA	2,700mA		10,000mA
Dimensions	40.6 x 19.8 x 37.8mm 1.60 x 0.78 x 1.49 in		40 x 20 x 38mm 1.57 x 0.79 x 1.50 in		66 x 32 x 62mm 2.60 x 1.26 x 2.44 in
Weight	53g / 1.87 oz	41.7g / 1.47 oz	68g / 2.40 oz		227g / 8.01 oz
Gear Type	Metal Gears	Nylon Gears	MPD 1st Gear & 3 Titanium / Steel Gears		MP 1st Gear & 4 Steel Gears
Bearings	Dual Ball Bearing				
Output Shaft	25 Tooth	24 Tooth		25 Tooth	15 Tooth
Case Material	Plastic		Plastic / Metal		

Actuator Programmers



DPC-CAN / DPC-485

CAN / RS-485 Interface for Hitec Industrial Actuators

- Reads and Writes a Variety of Parameters
- Our Most Advanced Programming System
- Software Available for Windows® and Android® Systems

DPC-11

PC Interface for Hitec Programmable Actuators

- Works with BLDC, D/MD Series, 5000 and 7000 Series
- Windows® 7, 8, 8.1 and 10 PC Compatible
- User Friendly Programming Interface
- Soft Start Setting • Actuator Test (Auto/Manual)
- EPA Adjustments • Fail Safe or Limp Mode Setting
- Actuator Speed Setting • Rotation Direction (CW/CCW)
- Dead Band Adjustment • Resolution Setting
- Sensitivity Ratio Adjustment (D-Series)

DB-10

D-Series Programmer Bluetooth Module

- PC Programming Interface for HSB-9XXX Series
- Programs Soft Start • Restores Factory Settings
- Loads & Saves Parameter Files on PC
- Windows® XP, 7, 8, 8.1 Compatible
- Monitors Actuator Life for Optimal Performance

Windows® is a trademark of Microsoft Corporation. | Android® is a trademark of GOOGLE LLC.

[Manufactured with
hitectechnology]



9001: 2015
14001: 2015
CERTIFIED
COMPANY

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