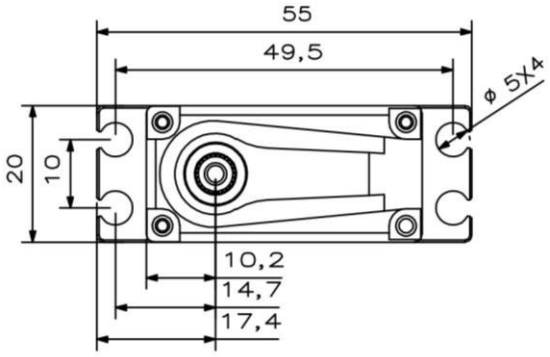
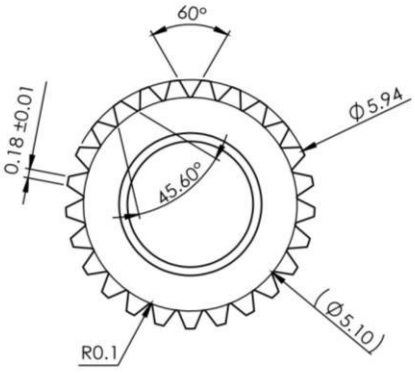
# A20-4515

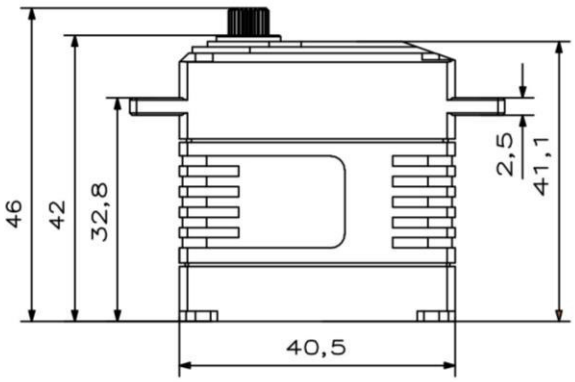
## Technical Specification




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# Operating Data

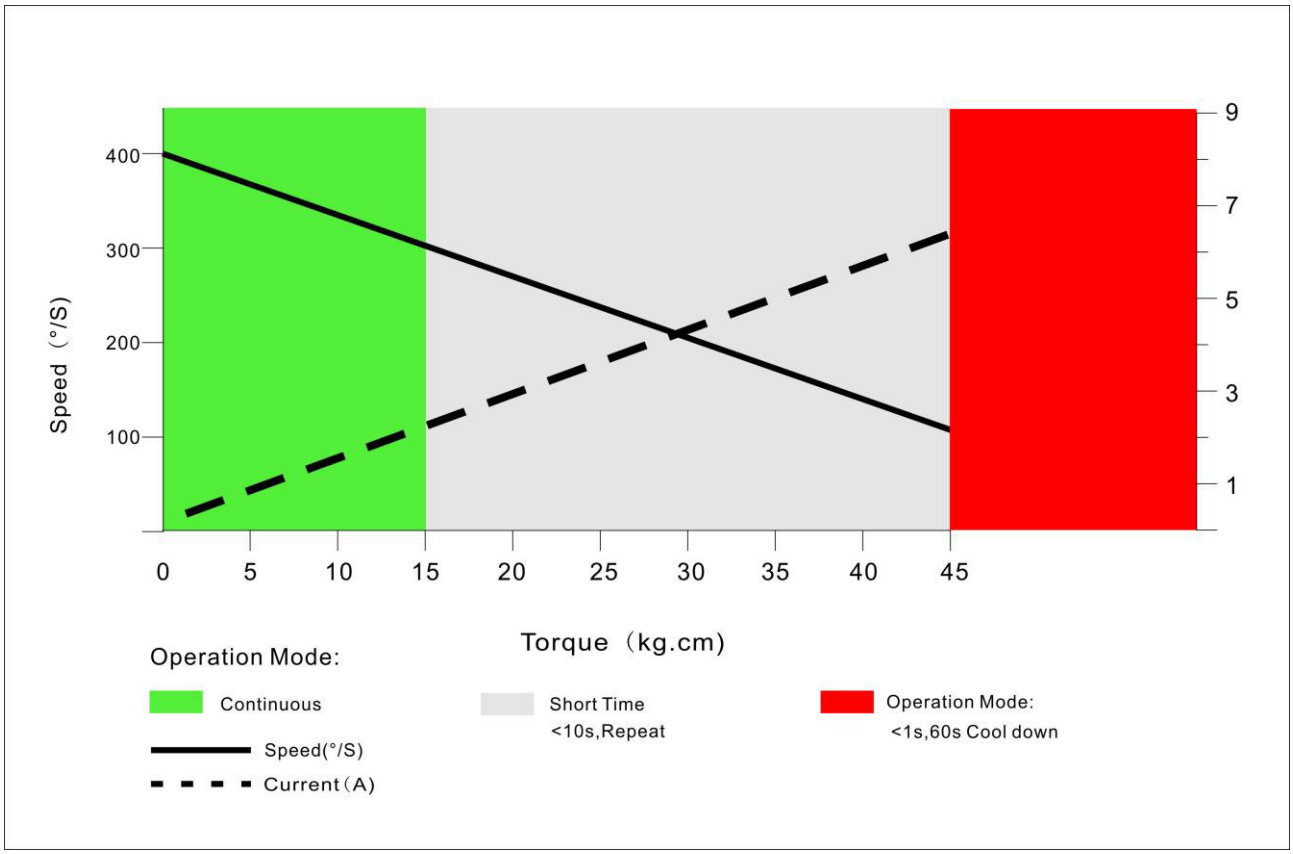
| | A20-4515 |
|---|---|
| **Operation Voltage(rated)** | DC7.4V |
| **Operation Voltage Range** | DC6.0V-8.4V |
| **Torque** | 36Kg.cm@6.0V |
| | 45Kg.cm@7.4V |
| | 50Kg.cm@8.4V |
| **Speed** | 0.19sec/60°@6.0V |
| | 0.15sec /60°@7.4V |
| | 0.13sec /60°@8.4V |
| **Travel Angle** | ±50° when 1000-2000us |
| **Operating Temperature Range** | -20℃……+65℃ |



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# Performance

## A20-4515 @ 7.4V






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# PWM Command Signal

| PWM | A20-4515 |
|---|---|
| Signal Voltage | TTL-Level: HIGH:min.3.3V,max.5.0V<br>TTL-Level: Low:min.0.0V,max.1.5V |
| Pulse Lengths | 900-2100us |
| Pulse Lengths for Position -50° /center/+50° | 1000us/1500us/2000us |
| Resolution | <2us |

**Materials and protective features**

| | |
|---|---|
| Case Material | Aluminum Alloy |
| Motor Type | Brushless |
| Gear Set Material | Hardened Steel |
| Position Sensor | Potentionmeter |
| Position Feedback | Optional |
| Shielded Connecting Cable | 22AWG |

**Dimensions**

| | |
|---|---|
| Case Dimensions | 40.5*20*42mm |
| Weight | 80g |



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