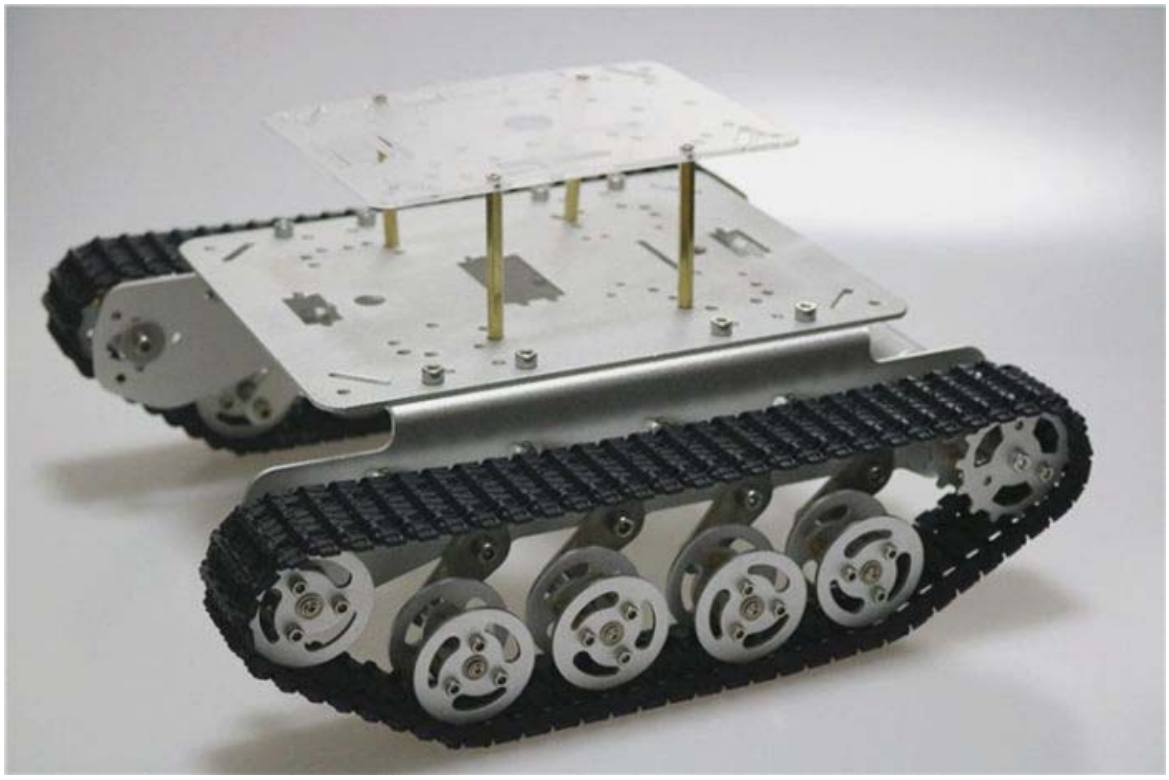


TS100 Shock Absorber Tank Chassis with Track and DC Geared Motors Kit

SKU 110090267

The TS100 tank chassis is constructed of all-metal aluminum with a variety of holes reserved on the chassis. It is free to be equipped with development boards and sensors and is compatible with Arduino / Seeeduino. The kit is made of aluminum and you can assemble it using matching tools according to the tutorial, which can exercise your hands-on ability and learn how to assemble the tank.

Once assembled, the development board and motor drive module can be used to control motor motion. Of course, you can add sensors and codes to drive automatically. Of course, you also need to have your own battery, we provide a 2x18650 battery box, you can use 18650 battery to power it.

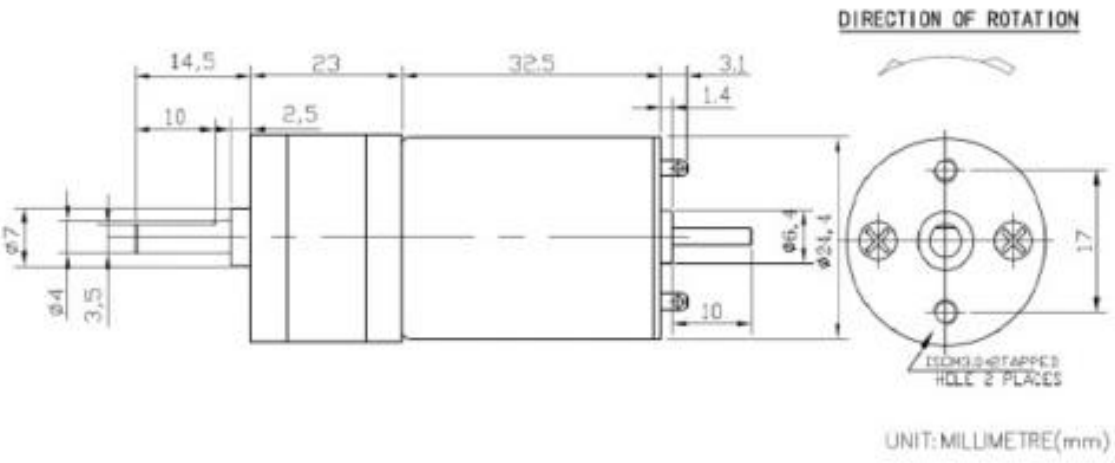
With a TS100 tank chassis, you can DIY a cool off-road vehicle and control it by programming. You can use any DIY, for example, by Arduino to control, use a wireless remote control or mobile phone to control the car, let it become A tank chariot that can be remotely controlled, and so on.

The Motor parameters:

1.Standard Operating Conditions			
NO.	Item	Specification	Test Method
1.1	Rated Voltage	DC 9.0V	Multimeter
1.2	Gear Ratio	1/75	
1.3	Rotation	CW	Handle
1.4	Motor Position	All Position in honizontal	Handle
1.5	Temperature	0 Degree - 30 Degree Celsius	Thermometer
1.6	Humidity	30% -95%	Hygroscope
2.Performance Of Motors			
NO.	Item	Specification	Test Method
2.1	No-load Speed	11500±10% rpm	Flash Speed Indicator
2.2	No-load Current	180mA (MAX)	DC Power Supply
2.3	Stall Current	4500mA (MAX)	DC Power Supply
2.4	Stall Torque	160g.cm	Torque Measure
3.Performance of Gear Motors			
NO.	Item	Specification	Test Method
3.1	Output Speed	150±10% rpm	Flash Speed Indicator
3.2	No-load Current	200mA (MAX)	DC Power Supply
3.3	Srall Current	4500mA (MAX)	DC Power Supply
3.4	Stall Torque	9.5kg.cm	Torque Measure
3.5	Rated Torque	3000g.cm	Torque Measure
3.6	Rated Current	1200mA (MAX)	DC Power Supply
3.7	Rated Speed	100±10%rpm	Flash Speed Indicator
3.8	Noise(30cm)	56dB	Digital Sound Levd Meter
4.The Dimension			
NO.	Item	Specification	Test Method
4.1	The Outside Shaft Length	14.5mm	Vernier Calipers
4.2	Shaft End Play	0.05-0.50mm	Frock
4.3	Screw Size	M3.0	Frock
4.4	Dia of shaft	φ 4mm D3.5	Vernier Calipers
4.5	Outline Monting Dimension	Refer to the Outline Drawing	Calipe

5.The Product Photo

6.Product Drawings



Black: VM, Power for Motor
Red: GM, GND for Motor
White: V, Power for Hall Sensor
Yellow: G, GND for Hall Sensor
Orange: S1, Signal from the 1st Hall Sensor
Green: S2, Signal from the 2nd Hall Sensor

Part List

Chassis:1 set

Driving wheels: 2 pcs

Bearing wheels: 10pcs

Track: 2pcs (can be changed the length)

DC motor: 2 pcs

Screws: several

Screw tools: 3 pcs

ECCN/HTS

ECCN	ERA99
HSCODE	9023009000
USHSCODE	90230000
UPC	