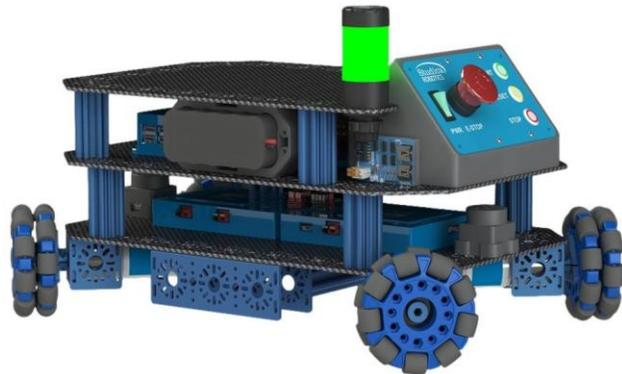
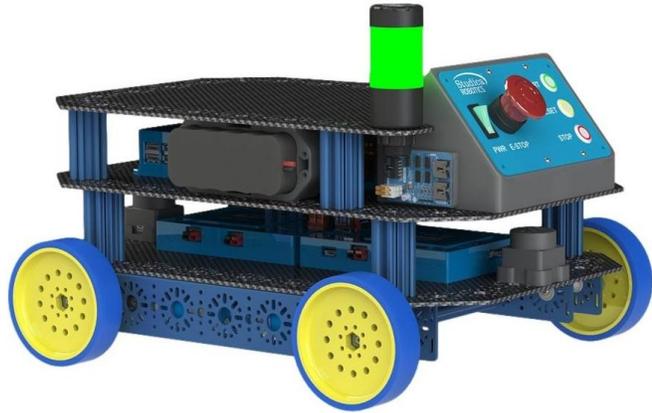
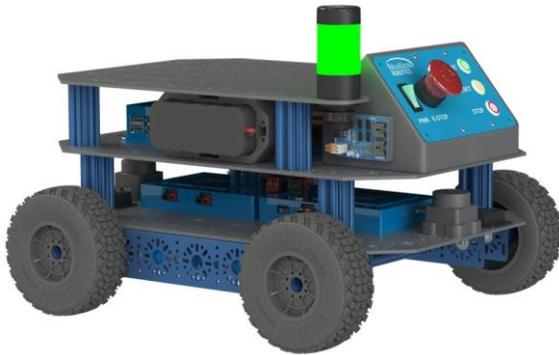


Part # 70211



Worldskills Autonomous Mobile Robotics FULL Collection



Item	Part #	Image	Pack Cont's	In Kit
ELECTRONICS				
IR Range Sensor (10 cm to 80 cm)	40117		1	2
IR Range Sensor Bracket	40118		1	2
Ultrasonic Distance Sensor Bracket	40238		1	2
Zip Ties, Blue, 150mm (100 pack)	70010		100	1
12V 3,000 mAh NiMH Battery Pack, PP45	70018		1	2
NiMH Battery Pack Charger, PP45	70019		1	1
High-Current Power Distribution Board	70028		1	1

Robotics Toolbox	70056		1	2
Remote Control Device - USB & Bluetooth	70112		1	1
LED Light Tower	70113		1	1
Light Tower PCB Mount	70113PCBM		1	1
Fuse Pack for HCPDB	70128		1	1
Combination Wrench, 8mm	70139		1	1
2.5mm Hex Ball End Screwdriver	70142		1	1
Hex Key Metric 7 Piece Set (1.5, 2, 2.5, 3, 4, 5, 6)	70144-7		1	1
Combination Wrench, 5.5mm	70145		1	1
Parsec Distance Sensor	70149		1	2
Cobra Line Follower Sensor V3	70150		1	1
Titan Quad Motor Controller	70152		1	2
Power Control Panel V2	70171		1	1
Control Panel Mount	70171CPM		1	1
VMX2 Robotics Controller	70174		1	1
T-Mini Lidar	70499		1	2
Ultrasonic Distance Sensor	70753		1	2
3D Depth Camera	71044		1	1
Short Lever Limit Switch (4 pack)	72060		1	1
Maverick Hex Planetary Gearbox Motor w/Encoder (19.2:1 Ratio Gearbox)	75001-192		1	4
Maverick Motor with Planetary Gearbox 26.9:1, Encoder, & 6mm Hex-Shaft	75001-269		1	2
Maverick Hex Planetary Gearbox Motor w/Encoder (50.9:1 Ratio gearbox)	75001-509		1	4
Maverick Motor with Planetary Gearbox 71.2:1, Encoder, & 6mm Hex-Shaft	75001-712		1	1

Maverick Motor with Planetary Gearbox 99.5:1, Encoder, & 6mm Hex-Shaft	75001-995		1	1
Multi-Mode Smart Servo	75002		1	2
Servo Manager	75016		1	1
6V DC AA Battery Holder w/TJC8 Female, 22AWG	75004		1	1
Servo Power Block	75006		1	1
Cypher MAX Through Bore Encoder	75051		1	4
Multi-Mode Smart Servo 200	75007		1	2
Battery Mount & Strap	76090		1	2
4 in 1 WS500 Screwdriver	90202		1	1

U-Channel & Extrusion

432mm U-Channel	76010		1	2
336mm U-Channel	76012		1	2
288mm U-Channel (2 pack)	76013-2		2	2
144mm U-Channel (2 pack)	76016-2		2	1
96mm U-Channel (2 pack)	76017-2		2	1
48mm U-Channel (2 pack)	76018-2		2	4
288mm Low U-Channel (2 pack)	76028-2		2	1
192mm T-Slot Extrusion	76125		1	2
64mm T-Slot Extrusion	76129		1	8
Rubber Grommet (10 pack)	76504-10		10	2
U-Channel Bumper (4 pack)	76505-4		4	1
Rubber Foot (4 pack)	76506-4		4	1

Flat Beams

288mm Flat Beam (2 pack)	76043-2		2	2
96mm Flat Beam (2 pack)	76047-2		2	2
Flat Brackets				
288mm x 40mm Flat Bracket (2 pack)	76061-2		2	1
192mm x 40mm Flat Bracket (2 pack)	76063-2		2	1
144mm x 40mm Flat Bracket (2 pack)	76064-2		2	2
96mm x 40mm Flat Bracket (2 pack)	76065-2		2	3
192mm x 96mm Flat Bracket (2 pack)	76066-2		2	1
Irregular Brackets				
120 Degree Bracket (2 pack)	76080-2		2	3
90 Degree Bracket (2 pack)	76081-2		2	3
135 Degree Bracket (2 pack)	76082-2		2	2
96mm Adjustable Flat Bracket (2 pack)	76083-2		2	2
T Bracket (2 pack)	76084-2		2	1
X Bracket (2 pack)	76085-2		2	1
Inside U Bracket (2 pack)	76086-2		2	2
L Bracket (2 pack)	76087-2		2	4
Battery Clip (2 pack)	76088-2		2	1
Inside L Bracket (2 pack)	76089-2		2	4
Mounting Plates				
Robot Base Plate B(432mm x 336mm x 3mm)	73998		1	2
Robot Base Plate T(432mm x 336mm x 3mm)	73999		1	1
Clover Motor Mount	76137		1	6

Motor Mount Clamp Kit	76141		1	2
End Piece Plate (2 pack)	76143-2		2	4
Servo Standard Front Mount	76144		1	3
Servo Mount Flat Plate	76145		1	3
Servo Mount Offset Plate	76146		1	3
Servo Horn 25T	76148		1	2
6mm Hex Shaft Servo Hub	76149H		1	2
Servo Arm Extended	76150		1	2
Servo Arm	76151		1	2
Servo Hub Pro	76152		1	2
Axles, Slides, Rack & Pinion				
250mm Linear Slide Kit	72064		1	1
Slide Rail, 288mm Length, 180mm Stroke	72066		1	2
Slide Rail, 384mm Length, 240mm Stroke	72067		1	2
6mm x 35mm Hex-Shaft (6 pack)	76159H-6		6	1
6mm x 70mm Hex-Shaft (6 pack)	76160H-6		6	1
6mm x 96mm Hex-Shaft (6 pack)	76161H-6		6	1
6mm x 432mm Hex-Shaft (2 pack)	76162H-2		2	1
Rack & Pinion 6mm Hex Shaft Set (2 pack)	76170H		2	1
Standoffs				
42mm Standoff (12 pack)	76180-12		12	1
48mm Standoff (12 pack)	76181-12		12	1
25mm Standoff (12 pack)	76182-12		12	1

Screws & Nuts

Removable Thread Locker	70011		1	1
M3 x 8mm Socket Head Cap Screw (pack of 100)	76200-100		100	2
M3 x 10mm Socket Head Cap Screw (pack of 100)	76201-100		100	2
M3 x 12mm Socket Head Cap Screw (pack of 100)	76202-100		100	2
M3 x 10mm Button Head Cap Screw (pack of 50)	76203-50		50	2
M3 Kep Nut (pack of 100)	76204-100		100	2
M3 Nyloc Nut (pack of 100)	76205-100		100	1
M3 x 30mm Socket Head Cap Screw (pack of 50)	76206-50		50	1
M3 x 20mm Socket Head Cap Screw (pack of 50)	76209-50		50	1
M3 x 25mm Socket Head Cap Screw (pack of 50)	76214-50		50	1
M3 Stainless Steel Flat Washer (10 pack)	76217		10	5
M3 x 10mm Thread Locking Button Head Hex Drive Screw (10 pack)	76218		10	10

Gears, Sprockets, Pulleys, Belts

32 Tooth Gear (2 pack)	76220-2		2	2
64 Tooth Gear (2 pack)	76221-2		2	2
24 Tooth - Sprocket (2 pack)	76226-2		2	1
32 Tooth Sprocket (2 pack)	76227-2		2	1
#25 Chain with Master Links, 5 feet(152cm)	76230		1	1
10mm OD Round Groove Hex-Shaft Pulley	76234H		1	2
30mm OD Round Groove Hex-Shaft Pulley	76236H		1	2
5mm Urethane Round Belt x 3M long x 10% stretch	76400		1	1
20 Tooth GT2-6mm Timing Belt Hex-Shaft Pulley	76450H		1	2

40 Tooth GT2-6mm Timing Belt Hex-Shaft Pulley	76452H		1	2
GT2-6mm Smooth D-Shaft Idler Pulley, H Type, w/3mm Inner Bore Bearing	76455		1	2
GT2-6mm Timing Belt Clamp w/Set Screw	76456		1	4
GT2 Timing Belt, 2mm Pitch, 6mm width, 1000mm Open, (2 pack)	76464-2		2	1
13 and 26 Tooth Hex-Shaft Helical Bevel Gear Set	77223H		2	2
36 Tooth Hex-Shaft Helical Bevel Gear 1 to 1 Set	77224H		2	4
Wheels				
100mm Slim Mecanum Wheel Set (Bearing Rollers, 2 left, 2 right)	76246		4	1
125mm All-Terrain Wheel Set	76249		4	1
38mm Omni Wheel - With 6mm HEX Insert	76259		1	4
100mm Omni Wheel	76272		1	4
100mm Drive Wheel - 50A - 25mm wide - 1/2" Inner Hex - Blue	76262		1	4
Bushings, Bearings, Coupling, Collars and Spacers				
6mm Hex Shaft Hub (4 pack)	76284H-4		4	2
Enhanced Wheel Hub Kit	76291H		1	4
6mm Hex Shaft Collar Clamp 2 Piece	76293H		1	4
3mm Pattern Spacer (10 pack)	76294-10		10	2
Clamping 6mm Hex Shaft Hub - V2	76295H		1	10
6mm Low Profile Hex-Shaft Clamping Hub	76296H		1	8
6mm Hex Shaft Face Bearing Block	76299H		1	8
6mm Hex-Shaft Flanged Bearing (12 pack)	76302H-12		12	2
6mm Hex Shaft Collar 12mm OD (6 pack)	76304H-6		6	2
6mm Hex Shaft Nylon Spacer 1mm (24 pack)	76305H-24		24	2

6mm Hex Shaft Nylon Spacer 2mm (24 pack)	76306H-24		24	2
6mm Hex Shaft Nylon Spacer 5mm (12 pack)	76307H-12		12	2
6mm Hex Shaft Nylon Spacer 20mm (6 pack)	76308H-6		6	2
1mm Thick M3 Screw Spacer (25 pack)	76309-25		25	2
2mm Thick M3 Screw Spacer (25 pack)	76310-25		25	2
5mm Thick M3 Screw Spacer (10 pack)	76311-10		10	2
6mm Hex Shaft Collar Clamp	76320H		1	4