

























MSE 2202B VEX Kits

Electrical

On Hand	Qty in Kit	Description	Part Number	Qty with Part Number	Picture
	4	2-Wire Motor 269	276-2181	1	
	4	Motor Controller 29	276-2193	1	
	1	Robot AA Battery Holder	276-2036	1	
	2	Servo	276-2162	1	
	3	Line Tracker	276-2154	1 set (3units)	
	1	Ultrasonic Range Finder	276-2155	1	
	1	Light Sensor	276-2158	1	
	2	Optical Shaft Quadrature Encoders	276-2156	2	
	2	Potentiometers	276-2216	2	
	2	6"	276-1424	3-wire cable bundle	
	2	12"	276-1424	3-wire cable bundle	
	1	24"	276-1424	3-wire cable bundle	
	1	36"	276-1424	3-wire cable bundle	
	2	6" Y	276-1424	3-wire cable bundle	
	100	4" Tie Wraps	276-1032	100	
	1	Tool, VEX Open-Ended Wrench	276-1382	1 wrench , 1 5/64" key, 1 3/32" key	

MSE 2202B VEX Kits

Screw Box











On Hand	Qty in Kit	Description	Part Number	Qty with Part Number	Picture
	240	Screw, 8-32 x 1/4" Long	275-1002	100	
	80	Screw, 8-32 x 3/8" Long	275-1003	100	
	80	Screw, 8-32 x 1/2" Long	275-1004	100	
	30	Screw, 8-32 x 3/4" Long	275-1006	100	
	12	8-32 x 1" Bogie wheel support screws	275-1008	100	
	40	Screw, 6-32 x 1/4" Long	275-0659	50	
	50	Screw, 6-32 x 1/2" Long	275-1169	50	
	300	Nut, 8-32 Keps	275-1026	100	
	60	Shaft Spacer, Thin (4.6mm)	276-2018	20	
	40	Shaft Spacer, Thick (8mm)	276-2019	20	
	200	Bearing Pop-Rivet	276-2215	50	
	60	Washer, Steel	275-1024	200	
	20	Washer, Plastic	275-1025	25	
	45	Nut, Nylock 8-32	275-1027	100	
	37	Shaft Collar	276-2010	16	

MSE 2202B VEX Kits

Mechanical

On Hand	Qty in Kit	Description	Part Number	Qty with Part Number	Picture
	2	Chassis Bumper 2x2x25 holes	275-1033	2 2x2x25 bumper, 4 2x1x25 rail	
	4	Chassis Rail 2x1x25 holes			
	2	Chassis Bumper (15-hole)	275-1143	4 (2x2x35)	
	4	Chassis Rail (16-hole)	275-1146	4 (2x1x35)	
	3	Plate 5x5 holes	275-1140	4-25x5	
	2	Plate 5x10 holes	275-1140	4-25x5	
	3	Plate 5x15 holes	275-2023	4	
	4	Plate 5x25 holes	275-1140	4-25x5	
	6	Bar 1x25 holes	275-1141	8	
	2	Angle, Slotted 30 holes	275-1132	4	
	2	Angle, Slotted 30 holes Inverse	275-1133	4	
	2	Angle, Segmented 25 holes	275-1131	4 (1x1x35)	
	4	C-Channel 1x2x1x15 holes	275-1136	4(1x2x1x35)	
	3	C-Channel 1x2x1x25 holes			
	2	C-Channel 1x5x1x25 holes	275-1138	4	
	4	2x2x35 angle	275-1143	4 (2x2x35)	
	4	Gusset, Pivot	275-1062	6	

MSE 2202B VEX Kits
















	4	Gusset, Angle	275-1056	4	
	4	Gusset, Plus	275-1060	8	
On Hand	Qty in Kit	Description	Part Number	Qty with Part Number	Picture
	2	12" Long Linear Slide Track		Linear Motion Kit	
	2	17.5" Long Linear Slide Track		Linear Motion Kit	
	2	Rack Bracket		Linear Motion Kit	
	4	Inner Delrin Slide Truck		Linear Motion Kit	
	4	Outer Delrin Slide Truck		Linear Motion Kit	
	4	Intake Roller	276-1499	8	
	6	Motor Clutch	276-1098	3	
On Hand	Qty in Kit	Description	Part Number	Qty with Part Number	Picture
	12	Shaft 11mm	276-1149	4 - 12"	
	8	Shaft 2in	276-2011	3- 2", 3 - 3	
	10	Shaft 3in			

MSE 2202B VEX Kits






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MSE 2202B VEX Kits

Gears, Wheel, Tank

On Hand	Qty in Kit	Description	Part Number	Qty with Part Number	Picture
	12	19-tooth rack gear	276-1957 (16)	Advanced Gear Kit (4)	
	4	Worm gears		Advanced Gear Kit	
	4	Worm wheel		Advanced Gear Kit	
	1	Differential frame		Advanced Gear Kit	
	7	24-tooth bevel gear		Advanced Gear Kit	
	10	Gear, 12-tooth	276-2169	4-12,4-36,4-60,2-84	
	8	Gear, 36-tooth			
	10	Gear, 60-tooth			
	4	Gear, 84-tooth			
	4	High Strength 6-tooth Sprocket (~0.97" OD)		High Strength Sprocket & Chain Kit	
	2	High Strength 12-tooth Sprocket (~1.69" OD)		High Strength Sprocket & Chain Kit	
	2	High Strength 18-tooth Sprocket (~2.43" OD)		High Strength Sprocket & Chain Kit	
	2	High Strength 24-tooth Sprocket (~3.16" OD)		High Strength Sprocket & Chain Kit	
	2	High Strength 30-tooth Sprocket (~3.90" OD)		High Strength Sprocket & Chain Kit	
	140	High Strength Chain Links	276-2172	High Strength Sprocket & Chain Kit	

MSE 2202B VEX Kits

	20	Chain Attachment Links		High Strength Sprocket & Chain Kit	
On Hand	Qty in Kit	Description	Part Number	Qty with Part Number	Picture
	170	Tread Links		Tank Tread Kit	
	4	Tank tread drive/idler wheels		Tank Tread Kit	
	4	Double Bogie wheel assemblies		Tank Tread Kit	
	2	Single Bogie wheel assemblies		Tank Tread Kit	
	25	Tank Tread Traction Links		Tank Tread Upgrade Kit	
	30	Conveyor-belt Base Links		Tank Tread Upgrade Kit	
	10	Short Conveyor-belt Inserts		Tank Tread Upgrade Kit	
	10	Medium Conveyor-belt Inserts		Tank Tread Upgrade Kit	
	10	Tall Conveyor-belt Inserts		Tank Tread Upgrade Kit	
	4	4" Wheel	276-1497	4	
	4	2.75" Wheel	276-1496	4	
	1	Turntable bearing	276-1810	1	