

V5 COMPETITION SUPER KIT

Electronics

V5 Electronics

- (1) V5 Robot Brain
- (1) V5 Controller
- (1) V5 Robot Radio
- (1) V5 Robot Battery Li-Ion 1100mAh
- (1) V5 Robot Battery Cable
- (1) V5 Robot Battery Charger
- (8) V5 Smart Motor
- (2) 36:1 Smart Motor Cartridge
- (1) Vision Sensor
- (4) Bumper Switch v2

V5 Smart Cables

- (3) 300mm Smart Cables
- (3) 600mm Smart Cable
- (2) 900mm Smart Cable
- (1) 1200mm Smart Cable
- (2) 1500mm Smart Cable

Charging Cable

- (1) USB A to Micro Cable

Motion

Wheels

- (4) 4" Omni-Directional Wheel
- (4) 4" Wheels

Gears

- (8) 12T Metal Pinion
- (8) 36T High Strength Gears
- (8) 60T High Strength Gears
- (8) 84T High Strength Gears
- (32) High Strength Square Gear Inserts
- (32) Free Spinning Gear Inserts

Sprockets & Chain

- (4) 6T High Strength Sprockets
- (6) 12T High Strength Sprockets
- (6) 18T High Strength Sprockets
- (2) 24T High Strength Sprockets
- (2) 30T High Strength Sprockets
- (700) High Strength Chain Links
- (100) Chain Attachment Links

- (50) Tank Tread Traction Links
- (60) Conveyor-belt Base Links
- (24) Short Conveyor-belt Inserts
- (20) Medium Conveyor-belt Inserts
- (20) Tall Conveyor-belt Inserts

Shafts

- (2) 2" Shafts
- (4) 3" Shafts
- (2) 4" Shafts
- (16) 12" Shafts
- (4) 12" High Strength Shafts
- Bearings & Shaft Hardware
- (20) Flat Bearings
- (20) High Strength Shaft Bearings
- (20) High Strength Clamping Shaft Collars
- (96) Shaft Collars
- (32) #8-32 Setscrews
- (30) Rubber Shaft Collars
- (8) Intake Rollers

Spacers

- (60) 1/16" High Strength Shaft Spacers
- (40) 1/8" High Strength Shaft Spacers
- (20) 1/4" High Strength Shaft Spacers
- (20) 1/2" High Strength Shaft Spacers
- (80) 1/8" Nylon Spacers
- (80) 1/4" Nylon Spacers
- (70) 3/8" Nylon Spacers
- (70) 1/2" Nylon Spacers

Structure

Channels

- (2) 1x2x1x25 Aluminum C-Channels
- (24) 1x2x1x35 Aluminum C-Channels
- (12) 1x3x1x35 Aluminum C-Channels

Plates

- (6) 5x25 Aluminum Plates

Angles

- (4) 2x2x25 Aluminum Angles
- (4) 1x1x35 Aluminum Angles

Gussets

- (4) 90-Degree Gussets

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Screws

- (175) #8-32 x 1/4" Locking Star Drive Screws
- (125) #8-32 x 1/2" Locking Star Drive Screws
- (250) #8-32 x 3/8" Star Drive Screws
- (225) #8-32 x 1/2" Star Drive Screws
- (100) #8-32 x 7/8" Star Drive Screws
- (75) #8-32 x 1.000" Star Drive Screws
- (50) #8-32 x 1.250" Star Drive Screws
- (50) #8-32 x 1.500" Star Drive Screws
- (25) #8-32 x 1.750" Star Drive Screws
- (10) #8-32 x 2.000" Star Drive Screws

Nuts & Connectors

- (20) 1-Post Hex Nut Retainers w/ Flat Bearing
- (20) 1-Post Hex Nut Retainers
- (20) 4-Post Hex Nut Retainers
- (700) #8-32 Nylock Nuts
- (100) #8-32 Hex Nuts

Bearings

- (1) Pillow Block Bearing
- (40) Flat Bearings
- (8) Drive Shaft Bar Locks

Standoffs

- (20) 1/2" Standoffs
- (30) 3/4" Standoffs
- (20) 1" Standoffs
- (40) 2" Standoffs
- (4) 3" Standoffs

Tools & Accessories

- (40) #64 Rubber Bands
- (600) 4" Zip Ties
- (50) 11" Zip Ties
- (1) 12" X 15" Anti Slip Mat (Thick)
- (6) T15 Star Screwdrivers
- (6) Open End Wrenches