

# V5 COMPETITION STARTER KIT

## Electronics

### V5 Electronics

- (1) Cervell Robot V5
- (1) Controlador V5
- (1) Ràdio Robot V5
- (1) Bateria de Robot V5 Li-Ion 1000mAh
- (1) Cable de Bateria Robot V5
- (1) Carregador de Bateria Robot V5
- (1) Adaptador de Carregador de Bateria Robot V5 UK (Tipus G)
- (1) Adaptador de Carregador de Bateria Robot V5 UE (Tipus C)
- (1) Adaptador de Carregador de Bateria Robot V5 ANZ (Tipus I)
- (4) Motors Intel·ligents V5
- (2) Interruptor de Para-xocs v2

### Cables Intel·ligents V5

- (3) Cables Intel·ligents de 300 mm
- (1) Cable Intel·ligent de 600 mm
- (1) Cable Intel·ligent de 900 mm

### Cables de Càrrega

- (1) USB A a Micro Cable

## Motion

### Assemblies

- (1) V5 Claw Assembly

### Wheels

- (4) 2.75" Wheels
- (2) 4" Omni Wheel
- (2) 4" Wheel

### Gears

- (5) 12T Metal Pinion
- (4) 36T High Strength Gears
- (4) 60T High Strength Gears
- (5) 84T High Strength Gears
- (5) 12T Metal Pinion Insert
- (26) High Strength Gear Shaft Insert
- (16) Free Spinning Gear Inserts

### Shafts

- (4) 2" Shafts
- (6) 3" Shafts
- (1) 3.5" Shaft
- (5) 4" Shafts
- (4) 12" Shafts

### Sprockets & Chain

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

### Tank Tread & Inserts

- (25) Tank Tread Traction Links
- (30) Conveyor-belt Base Links
- (12) Short Conveyor-belt Inserts
- (10) Medium Conveyor-belt Inserts
- (10) Tall Conveyor-belt Inserts

## Tools & Accessories

- (2) #32 Rubber Bands
- (2) V5 Battery Clips
- (2) Open End Wrenches
- (2) T8 Star Drive Keys
- (4) T15 Star Drive Keys
- (100) 4" Zip Ties
- (1) V5 Clawbot Instruction Manual

## Structure

### Channels

- (3) 2x2x2x20 Aluminum U-Channels
- (2) 1x2x1x15 Aluminum C-Channels
- (4) 1x2x1x25 Aluminum C-Channels
- (6) 1x2x1x35 Aluminum C-Channels

### Angles

- (2) 2x2x14x20 Aluminum Angles
- (4) 2x2x25 Aluminum Angles
- (2) 1x1x35 Aluminum Angles

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## Plates

(4) 5x25 Aluminum Plates

## Gussets

(4) 90-Degree Gussets

## Bearings & Shaft Hardware

(25) Flat Bearing

(1) Pillow Block Bearing

(8) Drive Shaft Bar Locks

(23) Rubber Shaft Collar

(32) Shaft Collars

(6) 0x2 Connector Pin

(28) 1/8" Spacer

(20) 1/4" Spacers

(14) 3/8" Spacer

(13) 1/2" Spacer

(2) 7/8" Spacer

## Screws

(25) #8-32 x 1/4" Locking Star Drive Screws

(29) #8-32 x 1/2" Locking Star Drive Screws

(4) #8-32 x 1.500" Locking Star Drive Screws

(50) #8-32 x 3/8" Star Drive Screws

(25) #8-32 x 1/2" Star Drive Screws

(27) #8-32 x 1.000" Star Drive Screws

## Nuts & Connectors

(30) #8-32 Hex Nuts

(200) #8-32 Nylock Nuts

(35) 1-Post Hex Nut Retainer w/ Flat Bearings

(25) 1-Post Hex Nut Retainers

(27) 4-Post Hex Nut Retainers

## Standoffs

(10) 1/2" Standoffs

(8) 1" Standoffs

(8) 2" Standoffs