

# VEX IQ Robotics Competition 2024-2025 Legal Parts



VEX

## IQ Robotics Competition Legal Parts 2024-2025

This document is a supplement to rule <R6> of the VEX IQ Robotics Competition Game Manual, which governs what VEX IQ parts are legal for use in the VEX IQ Robotics Competition. Rule <R6> is quoted below for reference:

<R6> **VEX IQ product line.** Robots may be built ONLY from official Robot components from the VEX IQ product line, unless otherwise specifically noted within these rules.

- a. Official VEX IQ products are ONLY available from VEX Robotics. To determine whether a product is "official" or not, consult [www.vexiq.com](http://www.vexiq.com)
- b. If an Inspector or event official questions whether something is an official VEX IQ component, the Team will be required to provide documentation to an Inspector that proves the component's source. Such documentation may include receipts, part numbers, or other printed documentation.
- c. Only VEX IQ components specifically designed for use in Robot construction are allowed. Using additional components outside their typical purpose is against the intent of the rule (i.e., please don't try using VEX IQ apparel, team or event support materials, packaging, Field Elements, or other non-Robot products on a VEX IQ Robotics Competition Robot).
- d. Products from the VEX 123, VEX V5, VEX CTE, VEX EXP, Cortex, or VEXpro product lines cannot be used for Robot construction. However, products from the VEX V5 product line that are also cross-listed as part of the VEX IQ product line are legal. A "cross-listed" product is one which can be found in both the VEX IQ and VEX V5 sections of the VEX Robotics website. Mechanical / structural components from the VEX Robotics by HEXBUG product line are legal for Robot construction. However, electrical components from the VEX Robotics by HEXBUG product line are illegal for Robot construction.
- e. Mechanical/structural components from the VEX Robotics by HEXBUG\* product line are legal for Robot construction. However, electrical components from the VEX Robotics by HEXBUG\* product line are illegal for Robot construction.
- f. Mechanical / structural components from the VEX GO product line are legal for Robot construction. However, electrical components from the VEX GO product line are illegal for Robot construction.
- g. Official Robotics Components from the VEX IQ product line that have been discontinued are still legal for Robot use. However, Teams must be aware of <R7b>
- h. Functional 3D printed components, such as replicas of legal VEX IQ parts or custom designs, are not legal for Robot use.
- i. Additional VEX IQ products that are released during the season are legal for use, unless otherwise noted on their product pages and / or the VEX IQ Robotics Competition Legal Parts Appendix
- j. VEX IQ Smart Cables may only be used for connecting legal electronic devices to the VEX IQ Robot Brain.

This document is current as of May 17, 2023 and is subject to change whenever new VEX IQ or other legal components are released. The most recent version of this document can always be found at [www.vexrobotics.com](http://www.vexrobotics.com). Questions concerning part legality can be posted in the official VEX IQ Robotics Competition Q&A , found at <https://www.robotevents.com/VIQC/2024-2025/QA>.

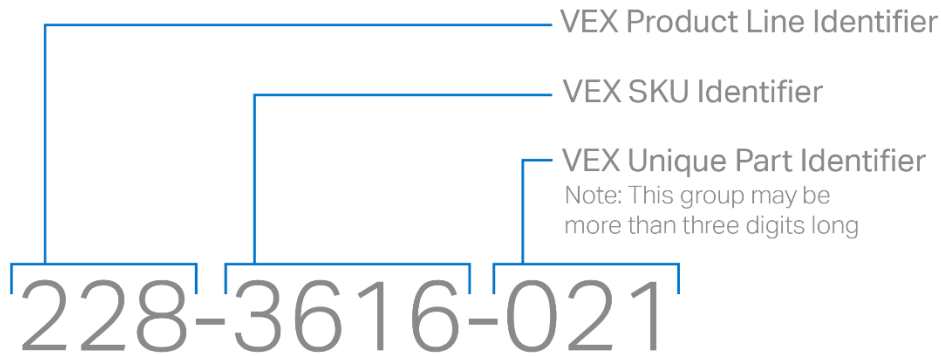
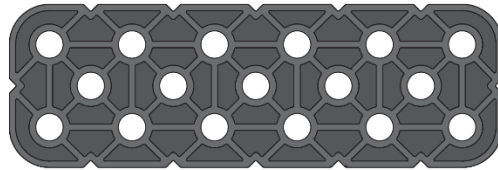
# VEX IQ Robotics Competition 2024-2025 Legal Parts

Because VEX IQ parts come in many colors, any colors depicted in the renderings below may not necessarily reflect the colors of the final physical products. If a part has the same Unique Part Identifier (i.e. last 3-4 digits) as a part listed in this Appendix, but a different Color SKU Identifier, then it is still considered legal.

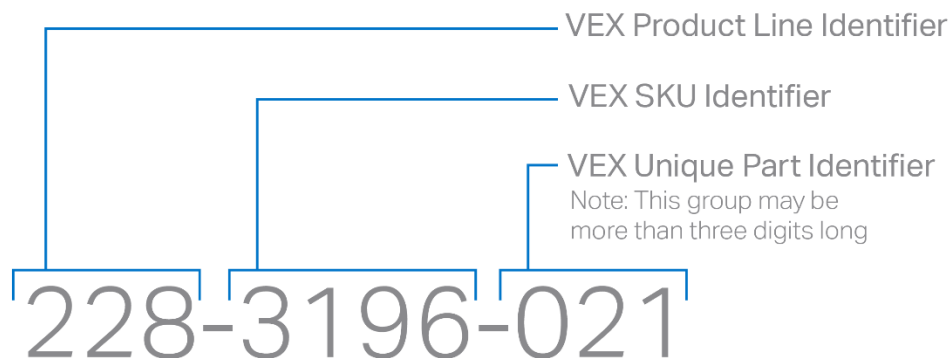
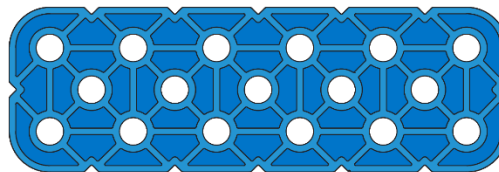
Visit [this article](#) for more details.

## VEX IQ Part Number Information

Example Part Number: Dark Grey 2x6 Beam



Example Part Number: Blue 2x6 Beam



# VEX IQ Robotics Competition 2024-2025 Legal Parts

## Where to Find Part Identifier

Embossed part numbers can be found on larger VEX IQ parts. Some examples of their locations are pictured below.

### Beams



### Corner Connectors



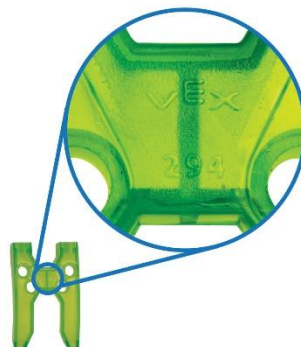
### Wheels



### Gears/Sprockets/Pulleys



### VEX Robotics by HEXBUG

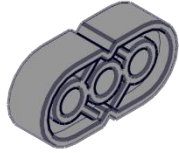


# VEX IQ Robotics Competition 2024-2025 Legal Parts



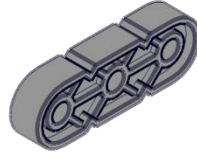
## Structure

228-2500-001



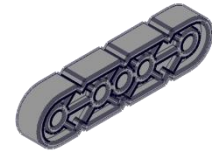
1x2 Beam

228-2500-002



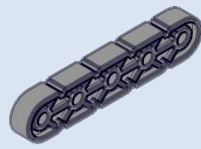
1x3 Beam

228-2500-003



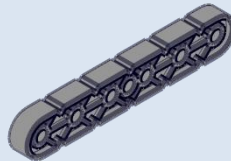
1x4 Beam

228-2500-004



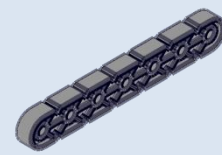
1x5 Beam

228-2500-005



1x6 Beam

228-2500-006



1x7 Beam

228-2500-007



1x8 Beam

228-2500-008



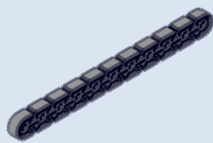
1x9 Beam

228-2500-009



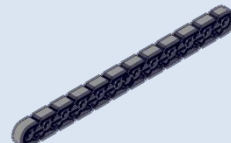
1x10 Beam

228-2500-010



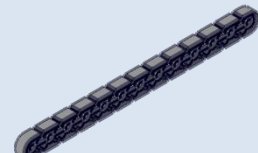
1x11 Beam

228-2500-011



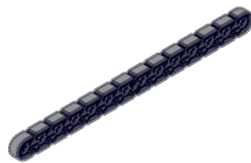
1x12 Beam

228-2500-012



1x13 Beam

228-2500-013



1x14 Beam

228-2500-014



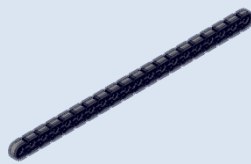
1x16 Beam

228-2500-015



1x18 Beam

228-2500-016



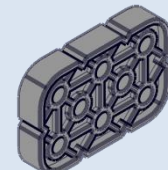
1x20 Beam

228-2500-017



2x2 Beam




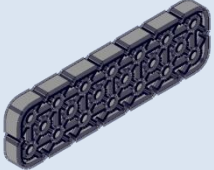
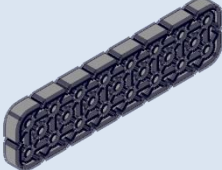
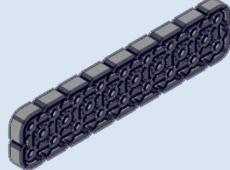



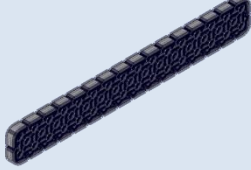

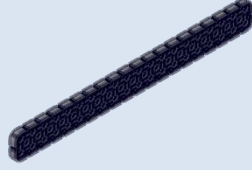

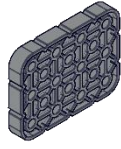
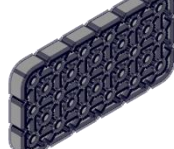
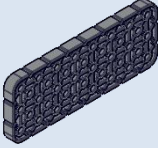
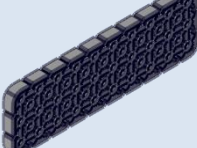
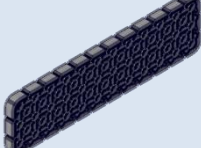
228-2500-018



2x3 Beam




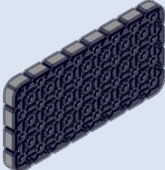
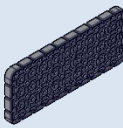
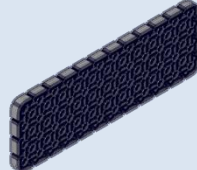









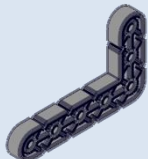
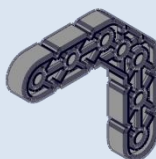

# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-019</p>  <p>2x4 Beam 228-2500-022</p>	<p>228-2500-020</p>  <p>2x5 Beam 228-2500-023</p>	<p>228-2500-021</p>  <p>2x6 Beam 228-2500-024</p>
 <p>2x7 Beam 228-2500-025</p>	 <p>2x8 Beam 228-2500-026</p>	 <p>2x9 Beam 228-2500-027</p>
 <p>2x10 Beam 228-2500-028</p>	 <p>2x12 Beam 228-2500-029</p>	 <p>2x14 Beam 228-2500-030</p>
 <p>2x16 Beam 228-2500-031</p>	 <p>2x18 Beam 228-2500-032</p>	 <p>2x20 Beam 228-2500-034</p>
 <p>3x3 Plate 228-2500-035</p>	 <p>3x4 Plate 228-2500-036</p>	 <p>3x6 Plate 228-2500-037</p>
 <p>3x8 Plate</p>	 <p>3x10 Plate</p>	 <p>3x12 Plate</p>


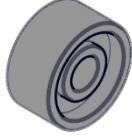

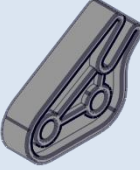
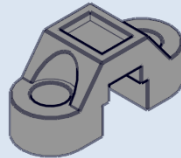
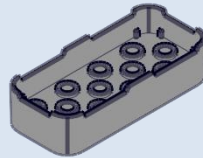
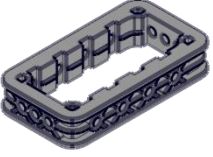


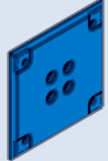

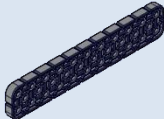



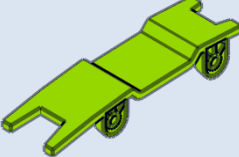
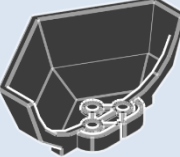
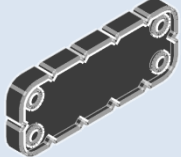
# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-038</p>  <p>3x16 Plate 228-2500-043</p>	<p>228-2500-040</p>  <p>4x4 Plate 228-2500-044</p>	<p>228-2500-042</p>  <p>4x6 Plate 228-2500-045</p>
 <p>4x8 Plate 228-2500-046</p>	 <p>4x10 Plate 228-2500-051</p>	 <p>4x12 Plate 228-2500-059</p>
 <p>4x16 Plate 228-2500-144</p>	 <p>6x12 Plate 228-2500-145</p>	 <p>12x12 Plate 228-2500-146</p>
 <p>3x4 Tee Beam 228-2500-147</p>	 <p>2x3 Right Angle Beam 228-2500-148</p>	 <p>3x3 Right Angle Beam 228-2500-149</p>
 <p>3x3 30 Degree Angle Beam 228-2500-150</p>	 <p>3x3 45 Degree Angle Beam 228-2500-151</p>	 <p>3x3 60 Degree Angle Beam 228-2500-152</p>
 <p>3x5 Right Angle Beam</p>	 <p>4x4 Offset Right Angle Beam</p>	 <p>5x6.5 Tee Beam</p>

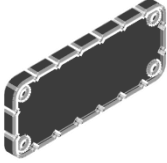
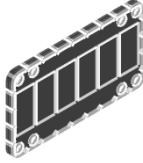

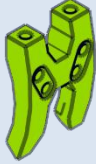
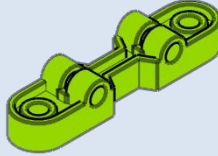
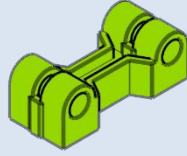
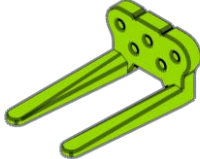




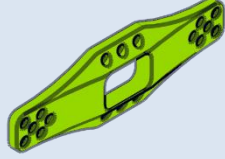





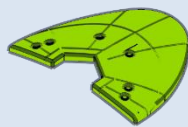
# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-153</p>  <p>1x7 Spider Fork Beam 228-2500-153</p>	<p>228-2500-154</p>  <p>1x1 Beam 228-2500-154</p>	<p>228-2500-156</p>  <p>3x3 Plus Gusset Beam 228-2500-156</p>
 <p>Rubber Band Anchor 228-2500-157</p>	 <p>Cable Anchor 228-2500-158</p>	 <p>Single Motor Support Cap 228-2500-159</p>
 <p>Dual Motor Support Cap 228-2500-160</p>	 <p>XL Turntable Spider Top Plate 228-2500-198</p>	 <p>6x10 Bone Plate 228-2500-203</p>
 <p>6x Pitch Cube Face 228-2500-204</p>	 <p>12x12 Truss Plate 228-2500-205</p>	 <p>2x11 Beam 228-2500-206</p>
 <p>160mm Fender Panel Left 228-2500-285</p>	 <p>160mm Fender Panel Right 228-2500-286</p>	 <p>Racer Nose Panel 228-2500-287</p>
 <p>Racer Windscreen 228-2500-288</p>	 <p>Hex Cup Half 228-2500-289</p>	 <p>Blank Year Plate 228-2500-290</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts

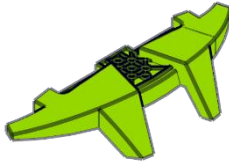

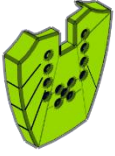




<p>228-2500-291</p>  <p>Blank Award / VIQC Team Number Plate</p>	<p>228-2500-292</p>  <p>Blank VRC / VEXU Team Number Plate</p>	<p>228-2500-293</p>  <p>1x8 Ballista Arm</p>
<p>228-2500-294</p>  <p>Ball Machine Claw</p>	<p>228-2500-295</p>  <p>Track Tiebar with Mounting</p>	<p>228-2500-296</p>  <p>Track Tiebar</p>
<p>228-2500-298</p>  <p>Fork Lift Beam</p>	<p>228-2500-299</p>  <p>Skyhook Hood</p>	<p>228-2500-300</p>  <p>Strandbeast Shoulder Blade</p>
<p>228-2500-301</p>  <p>Strandbeast Leg</p>	<p>228-2500-302</p>  <p>Strandbeast Face Plate</p>	<p>228-2500-303</p>  <p>Strandbeast Spine Arch</p>
<p>228-2500-304</p>  <p>3-Way 2x3 Plate</p>	<p>228-2500-305</p>  <p>3-Way Perpendicular 1x2 Plate</p>	<p>228-2500-306</p>  <p>Spider Leg</p>
<p>228-2500-307</p>  <p>Spider Face Plate</p>	<p>228-2500-308</p>  <p>Spider Top Plate - Front</p>	<p>228-2500-309</p>  <p>Spider Top Plate - Rear</p>






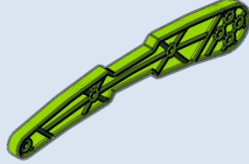



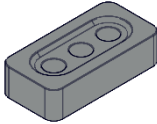
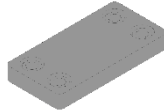
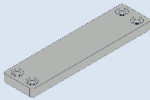
# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-310</p>  <p>Scarab Leg 228-2500-310</p>	<p>228-2500-311</p>  <p>Scarab Top Shell 228-2500-311</p>	<p>228-2500-312</p>  <p>Scarab Front Shell 228-2500-312</p>
 <p>Scarab Rear Shell 228-2500-313</p>	 <p>Ant Front Plate 228-2500-315</p>	 <p>Ant Center Plate 228-2500-316</p>
 <p>Ant Rear Plate 228-2500-317</p>	 <p>Ant Front Antenna 228-2500-320</p>	 <p>Ant Rear Antenna 228-2500-321</p>
 <p>2x6 Beam with Chamfered Ends 228-2500-322</p>	 <p>1x6 Smooth Beam 228-2500-323</p>	 <p>1x1 Left Corner Beam 228-2500-391</p>
 <p>1x1 Right Corner Beam 228-2500-392</p>	 <p>2x1 Left Corner Beam 228-2500-400</p>	 <p>2x1 Right Corner Beam 228-2500-401</p>
 <p>2x2 Left Corner Beam 228-2500-406</p>	 <p>2x2 Right Corner Beam 228-2500-407</p>	 <p>2x1 Extended Left Corner Beam 228-2500-408</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-409</p>  <p>2x1 Extended Right Corner Beam 228-2500-471</p>	<p>228-2500-412</p>  <p>2x2 Extended Left Corner Beam 228-2500-472</p>	<p>228-2500-413</p>  <p>2x2 Extended Right Corner Beam 228-2500-478</p>
 <p>17x Robot Arm Beam 228-2500-481</p>	 <p>12x Robot Arm Beam 228-2500-487</p>	 <p>6x2x2 Tee Beam 228-2500-495</p>
 <p>76mm Ball (Sun) 228-2500-507</p>	 <p>19mm Ball (Moon) 228-2500-509</p>	 <p>38mm Ball (Earth) 228-2500-510</p>
 <p>2x4 25mm Ball Shooter Plate (Weak) 228-2500-511</p>	 <p>2x4 25mm Ball Shooter Plate (Strong) 228-2500-513</p>	 <p>1x1 Smooth Panel 228-2500-520</p>
 <p>1x2 Smooth Panel 228-2500-524</p>	 <p>1x4 Smooth Panel 228-2500-1110</p>	 <p>2x4 Smooth Panel 228-2500-1117</p>
 <p>2x8 Smooth Panel</p>	 <p>1x6 (3-4-5 Triangle) Diagonal Offset Truss Beam</p>	 <p>7x9x11 (6-8-10 Triangle) Truss Plate</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-1189</p>  <p>2x3 Delta Tee Beam</p>	<p>228-2500-1199</p>  <p>2x4x2 Double 60 Degree Beam</p>	<p>228-2500-1240</p>  <p>2x4 Wedge Beam</p>
<p>228-2500-1245</p>  <p>3x5 Wedge Plate</p>	<p>228-2500-1268</p>  <p>2x Wide, 3x3 60 Degree Angle Beam</p>	<p>228-2500-1270</p>  <p>4x4 25mm Tube Plus Plate</p>
<p>228-2500-1277</p>  <p>25mm Half Tube 6x Pitch Straight</p>	<p>228-2500-1287</p>  <p>25mm Half Tube 60 Degree Turn Small</p>	<p>228-2500-1302</p>  <p>25mm Half Tube 3x Pitch Barrel End</p>
<p>228-2500-1311</p>  <p>5x Pitch Combination Disk</p>	<p>228-2500-1312</p>  <p>Combination Safe Dial</p>	<p>228-2500-1357</p>  <p>3x4 1x Offset Trapezoid Plate</p>
<p>228-2500-1381</p>  <p>14x14 Octagon Truss Plate</p>	<p>228-2500-1436</p>  <p>2x6 Handle Plate</p>	<p>228-2500-1445</p>  <p>2x8 Medium Convex Plate</p>
<p>228-2500-1485</p>  <p>2x2 30 Degree Beam</p>	<p>228-2500-1486</p>  <p>2x2 45 Degree Beam</p>	<p>228-2500-1556</p>  <p>2x6x2 30 Degree Jogged Beam</p>



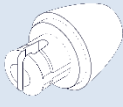




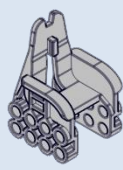
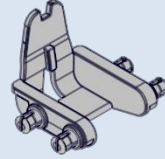









# VEX IQ Robotics Competition 2024-2025 Legal Parts





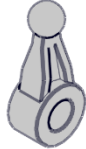

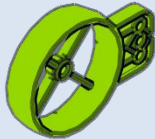



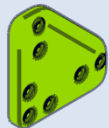
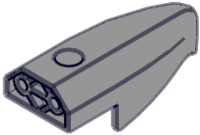
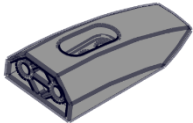

<p>228-2500-1600</p>  <p>3x12 Girder Plate; 2x8 2x Offset Trapezoid</p>	<p>228-2500-1601</p>  <p>5x2x2 Tee Beam</p>	<p>228-2500-1664</p>  <p>1x3 Ball Socket Linkage</p>
<p>228-2500-1665</p>  <p>1x4 Ball Socket Linkage</p>	<p>228-2500-1689</p>  <p>1x4 Single-Ended Ball Socket Beam</p>	<p>228-2500-1698</p>  <p>5x Pitch Diameter, 10x Pitch Long Half Round Panel</p>
<p>228-2500-1702</p>  <p>2x2, Extended 0.5 x 1x Pitch Sloped Panel</p>	<p>228-2500-1704</p>  <p>2x4, Extended 0.5 x 1x Pitch Sloped Panel</p>	<p>228-2500-1705</p>  <p>2x5, Extended 0.5 x 1x Pitch Sloped Panel</p>
<p>228-2500-1727</p>  <p>1x3, Extended 0.5 x 1x Pitch, Diagonal Left Corner Sloped Panel</p>	<p>228-2500-1728</p>  <p>1x3, Extended 0.5 x 1x Pitch, Diagonal Right Corner Sloped Panel</p>	<p>228-2500-1828</p>  <p>4x6, Dual 0.5 x 2x Pitch Double Sloped Panel</p>
<p>228-2500-1848</p>  <p>4x2, Dual 0.5 x 2x Pitch Fade Double Sloped Panel</p>	<p>228-2500-1849</p>  <p>4x5, Dual 0.5 x 2x Pitch Extended Fade Sloped Panel</p>	<p>228-2500-1850</p>  <p>Avatar Head</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-1851</p>  <p>Avatar Upper Torso 228-2500-1854</p>	<p>228-2500-1852</p>  <p>Avatar Lower Torso 228-2500-1855</p>	<p>228-2500-1853</p>  <p>Avatar Shoulder Pin 228-2500-1856</p>
 <p>Avatar Left Arm 228-2500-1857</p>	 <p>Avatar Right Arm 228-2500-1858</p>	 <p>Avatar Left Leg 228-2500-1859</p>
 <p>Avatar Right Leg 228-2500-1860</p>	 <p>Avatar Seat (Beam Mount) 228-2500-1861</p>	 <p>Avatar Seat (Snap Mount) 228-2500-1862</p>
 <p>Hard Hat 228-2500-1863</p>	 <p>Buns Hair 228-2500-1864</p>	 <p>Curly Hair 228-2500-1865</p>
 <p>Mohawk Hair 228-2500-1866</p>	 <p>Ponytail Hair 228-2500-1867</p>	 <p>Short Spikey Hair 228-2500-1897</p>
 <p>Short Spikey Hair with Hat</p>	 <p>Buns Hair with Hat</p>	 <p>Astronaut Figure</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts

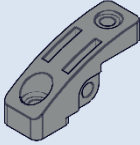
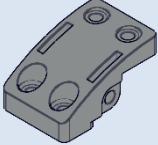
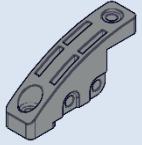
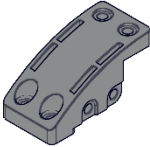

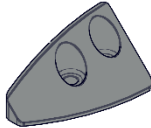
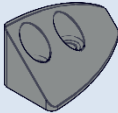
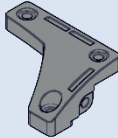
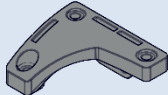

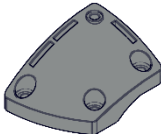
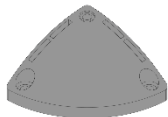

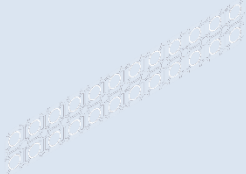

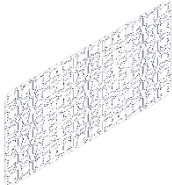
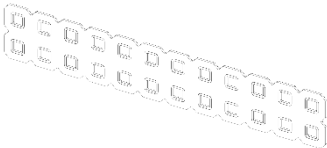

<p>228-2500-1898</p>  <p>Astronaut Head 228-2500-1905</p>	<p>228-2500-1899</p>  <p>Astronaut Backpack 228-2500-1909</p>	<p>228-2500-1900</p>  <p>1.5x3 Oblong Satellite Dish 228-2500-1911</p>
 <p>2.5x1.4 Widescreen Monitor 228-2500-1915</p>	 <p>1x Pitch Actuator Handle 228-2500-1918</p>	 <p>Medium Rocket Engine Nozzle 228-2500-1921</p>
 <p>2.5x3 Cylindrical Tank 228-2500-1924</p>	 <p>3x Pitch Ducted Fan Housing 228-2500-2000</p>	 <p>4x Pitch Ducted Fan Housing 228-2500-2001</p>
 <p>2x1x1 Landing Gear Beam 228-2500-2002</p>	 <p>6x6 Hexagon Plate 228-2500-2003</p>	 <p>4x7x4 Offset Channel Beam 228-2500-2004</p>
 <p>3x5x3.5 Vehicle Cab 228-2500-2006</p>	 <p>4.5x4.5 Diagonal Corner Panel 228-2500-2007</p>	 <p>2x7 Landing Gear Panel 228-2500-2008</p>
 <p>2x5 Eagle Head Panel</p>	 <p>2x4.75 Curved Fade Panel</p>	 <p>3x5.5 Front Shuttle Panel</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts

<p>228-2500-2009</p>  <p>3x5 Dual Curved Fade Panel</p>	<p>228-2500-2010</p>  <p>9x4.5 Solar Flat Panel</p>	<p>228-2500-2011</p>  <p>2x1x1.5 Offset Wing Connector</p>
<p>228-2500-2012</p>  <p>Right Shuttle Wing</p>	<p>228-2500-2013</p>  <p>Left Shuttle Panel</p>	<p>228-2500-2014</p>  <p>2x3 Irregular Hexagon Flat Panel</p>
<p>228-2500-2015</p>  <p>3x3.5 Irregular Hexagon Flat Panel</p>	<p>228-2500-2016</p>  <p>3x4 End Flat Panel</p>	<p>228-2500-2017</p>  <p>2.5x5 Asymmetric End Flat Panel</p>
<p>228-2500-2018</p>  <p>4x7 Landing Skid Plate</p>	<p>228-2500-2019</p>  <p>2x3x2.5 Roll Cage</p>	<p>228-2500-2020</p>  <p>1x3 Bottom Shuttle Nose Panel</p>
<p>228-2500-2021</p>  <p>Large Vehicle Cab Left Panel</p>	<p>228-2500-2022</p>  <p>Large Vehicle Cab Right Panel</p>	<p>228-2500-2023</p>  <p>Large Vehicle Cab 4x Wide Windshield</p>
<p>228-2500-2024</p>  <p>2x Wide, 4x Pitch Diameter Half Puck</p>	<p>228-2500-2028</p>  <p>10x Pitch Wide Front Loader Bucket</p>	<p>228-2500-2029</p>  <p>4x Pitch Wide Excavator Bucket</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts



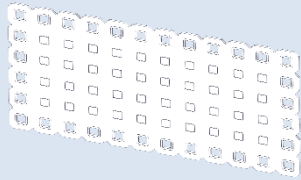
<p>228-2500-2100</p>  <p>3x1, R5 x Flat Curve Panel 228-2500-2109</p>	<p>228-2500-2101</p>  <p>3x2, R5 x Flat Curve Panel 228-2500-2116</p>	<p>228-2500-2108</p>  <p>4x1, R6 x Flat Curve Panel 228-2500-2120</p>
 <p>4x2, R6 x Flat Curve Panel 228-2500-2121</p>	 <p>3x3, R5 x R5 Curve Panel 228-2500-2124</p>	 <p>Dual R5, Left Curve Filler Panel 228-2500-2125</p>
 <p>Dual R5, Right Curve Filler Panel 228-2500-2134</p>	 <p>3x4, R5 x Flat Left Concave Curve Panel 228-2500-2135</p>	 <p>3x4, R5 x Flat Right Concave Curve Panel 228-2500-2161</p>
 <p>3x4x3, R5 x R6 x Flat R5 Left Curve Panel 228-2500-2248</p>	 <p>3x4x3, R5 x R6 x Flat R5 Right Curve Panel 228-2500-2710</p>	 <p>4x4, Dual R6 Quarter Round Panel 228-2500-2711</p>
 <p>5x Pitch Weighted Disk Housing 228-2500-2712</p>	 <p>2x12 Plastic PET Sheet 276-7735-710</p>	 <p>6x6 Plastic PET Sheet 276-7735-711</p>
 <p>6x12 Plastic PET Sheet</p>	 <p>2x12 PET Sheet</p>	 <p>6x6 PET Sheet</p>



# VEX IQ Robotics Competition 2024-2025 Legal Parts



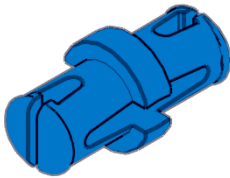
276-7735-712



6x12 PET Sheet

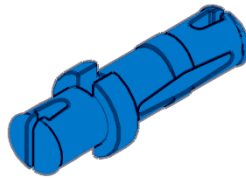
## Connectors

228-2500-060



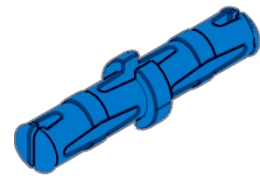
1x1 Connector Pin

228-2500-061



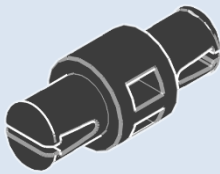
1x2 Connector Pin

228-2500-062



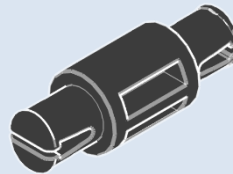
2x2 Connector Pin

228-2500-063



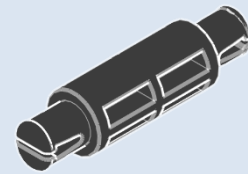
0.25x Pitch Standoff

228-2500-064



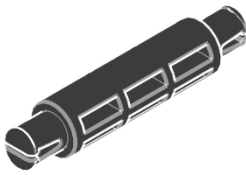
0.5x Pitch Standoff

228-2500-065



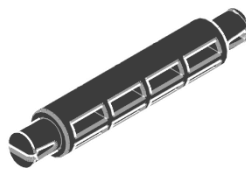
1x Pitch Standoff

228-2500-066



1.5x Pitch Standoff

228-2500-067



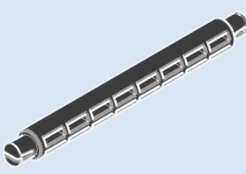
2x Pitch Standoff

228-2500-069



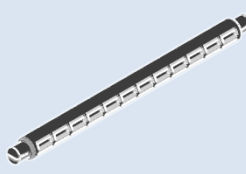
3x Pitch Standoff

228-2500-070



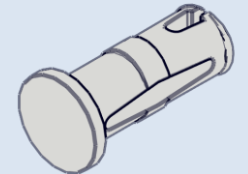
4x Pitch Standoff

228-2500-072



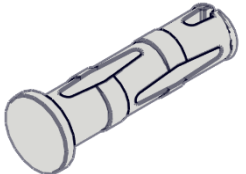
6x Pitch Standoff

228-2500-086



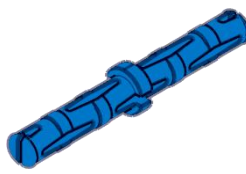
0x2 Connector Pin

228-2500-087



0x3 Connector Pin

228-2500-089



3x3 Connector Pin

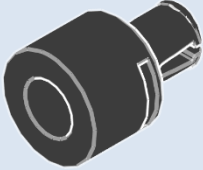
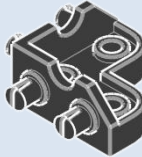

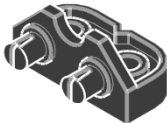
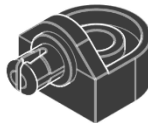

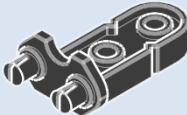
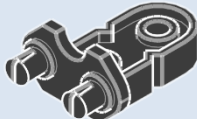
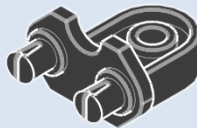
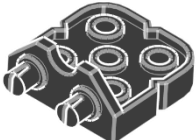
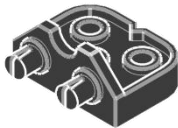
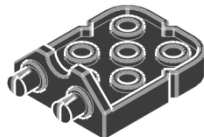
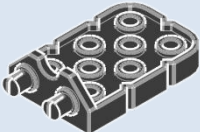
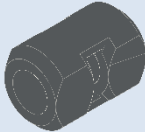
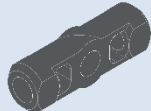
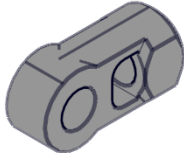

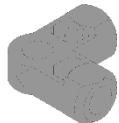
228-2500-099



0x1 Sheet Pin

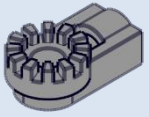
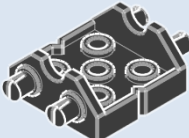
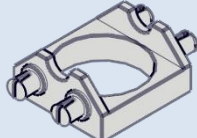
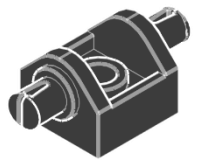
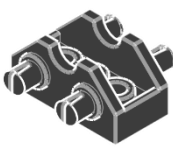
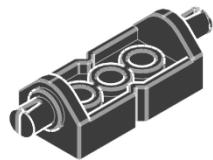
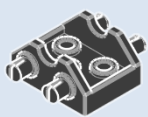
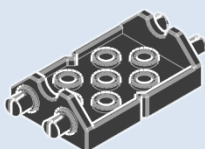


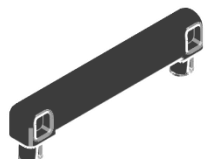
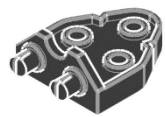

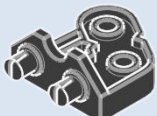

# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-109</p>  <p>0.5x Pitch Standoff Extender</p>	<p>228-2500-126</p>  <p>Large Chassis Corner Connector</p>	<p>228-2500-127</p>  <p>Small Chassis Corner Connector</p>
<p>228-2500-128</p>  <p>2x Wide, 1x2 Corner Connector</p>	<p>228-2500-129</p>  <p>1x Wide, 1x1 Corner Connector</p>	<p>228-2500-130</p>  <p>1x Wide, 1x1 Offset Corner Connector</p>
<p>228-2500-131</p>  <p>2x Wide, 2x1 Offset Corner Connector</p>	<p>228-2500-132</p>  <p>2x Wide, 2x1 Corner Connector</p>	<p>228-2500-133</p>  <p>2x Wide, 1x1 Offset Corner Connector</p>
<p>228-2500-134</p>  <p>2x Wide, 2x2 Corner Connector</p>	<p>228-2500-135</p>  <p>2x Wide, 1x2 Offset Corner Connector</p>	<p>228-2500-136</p>  <p>2x Wide, 2x2 Offset Corner Connector</p>
<p>228-2500-137</p>  <p>2x Wide, 2x3 Corner Connector</p>	<p>228-2500-170</p>  <p>Mini Standoff Connector</p>	<p>228-2500-171</p>  <p>Straight Standoff Connector</p>
<p>228-2500-172</p>  <p>End Standoff Connector</p>	<p>228-2500-175</p>  <p>45 Degree Standoff Connector</p>	<p>228-2500-178</p>  <p>90 Degree Standoff Connector</p>


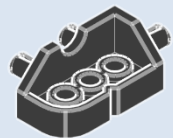
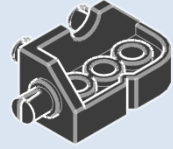

# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-192</p>  <p>15 Degree Offset Locking Angle End Standoff Connector 228-2500-270</p>	<p>228-2500-220</p>  <p>Double 2x Wide, 2x2 Corner Connector 228-2500-271</p>	<p>228-2500-259</p>  <p>Double 2x Wide, 1/2" Pipe Connector 228-2500-272</p>
 <p>Double 1x Wide, 1x1 Corner Connector 228-2500-274</p>	 <p>Double 2x Wide, 1x2 Corner Connector 228-2500-277</p>	 <p>Double 1x Wide, 2x1 Corner Connector 228-2500-279</p>
 <p>Double 2x Wide, 1x2 Offset Corner Connector 228-2500-283</p>	 <p>Double 2x Wide, 2x2 Double Offset Corner Connector 228-2500-314</p>	 <p>1x Wide, 1x2 Corner Connector 228-2500-368</p>
 <p>2x Wide, 1x3 Offset Corner Connector 228-2500-371</p>	 <p>1x4 Bearing Surface Block 228-2500-372</p>	 <p>2x Wide, 60 Degree Omni 1x2 Corner Connector 228-2500-1061</p>
 <p>2x Wide, 30 Degree Right 1x2 Corner Connector</p>	 <p>2x Wide, 30 Degree Left 1x2 Corner Connector</p>	 <p>8x Pitch Standoff</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts



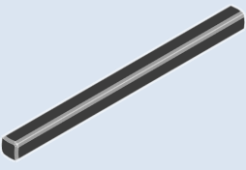
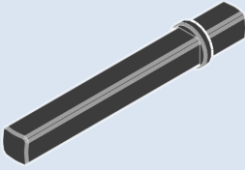
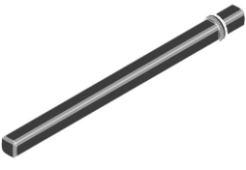
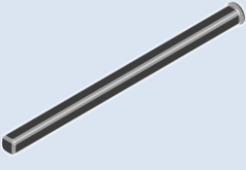
<p>228-2500-1109</p>  <p>Truss Standoff Connector</p>	<p>228-2500-1250</p>  <p>Triple 1x Wide, 1x1 Corner Connector</p>	<p>228-2500-1251</p>  <p>Triple 1-2-1x Wide, 1x2 Corner Connector</p>
<p>228-2500-1253</p>  <p>Triple 2x Wide, 2x2 Corner Connector</p>	<p>228-2500-1254</p>  <p>1x2 Left Chassis Corner Connector</p>	<p>228-2500-1255</p>  <p>1x2 Right Chassis Corner Connector</p>
<p>228-2500-1258</p>  <p>Quad 2x Wide, 2x2 Corner Connector</p>	<p>228-2500-1906</p>  <p>4x Pitch Antenna</p>	<p>228-2500-1934</p>  <p>6x Pitch Flexible Standoff</p>
<p>228-2500-2260</p>  <p>1x1 Connector Pin (Weak)</p>	<p>228-2500-2261</p>  <p>1x2 Connector Pin (Weak)</p>	<p>228-2500-2268</p>  <p>0.5x Pitch Standoff (Weak)</p>
<p>228-2500-2269</p>  <p>1x Pitch Standoff (Weak)</p>	<p>228-2500-2271</p>  <p>2x Pitch Standoff (Weak)</p>	<p>228-2500-2288</p>  <p>1x Wide, 1x1 Corner Connector (Weak)</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts



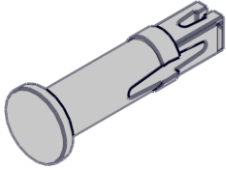
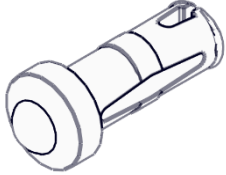
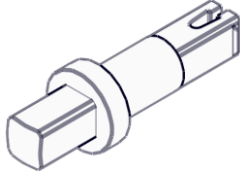
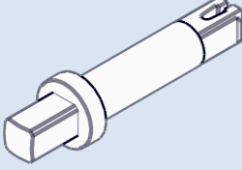
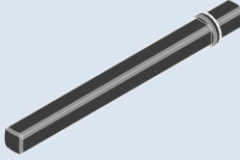
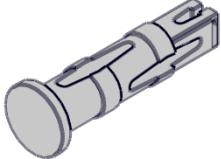


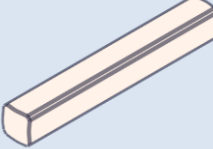
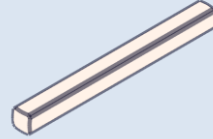
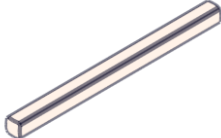




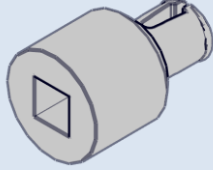
<p>228-2500-2295</p>  <p>2x Wide, 2x2 Corner Connector (Weak)</p>	<p>228-2500-2296</p>  <p>2x Wide, 2x2 Offset Corner Connector (Weak)</p>	<p>228-2500-2308</p>  <p>Double 2x Wide, 2x1 Corner Connector (Weak)</p>
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## Motion

<p>228-2500-073</p>  <p>1x1 Idler Pin</p>	<p>228-2500-074</p>  <p>2x Pitch Plastic Shaft</p>	<p>228-2500-075</p>  <p>3x Pitch Plastic Shaft</p>
<p>228-2500-076</p>  <p>4x Pitch Plastic Shaft</p>	<p>228-2500-077</p>  <p>5x Pitch Plastic Shaft</p>	<p>228-2500-078</p>  <p>2x Pitch Plastic Motor Shaft</p>
<p>228-2500-079</p>  <p>4x Pitch Plastic Motor Shaft</p>	<p>228-2500-080</p>  <p>2x Pitch Capped Plastic Shaft</p>	<p>228-2500-081</p>  <p>3x Pitch Capped Plastic Shaft</p>
<p>228-2500-082</p>  <p>4x Pitch Capped Plastic Shaft</p>	<p>228-2500-083</p>  <p>5x Pitch Capped Plastic Shaft</p>	<p>228-2500-084</p>  <p>0x2 Idler Pin</p>


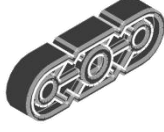

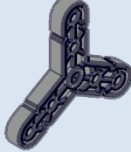







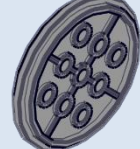






# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-085</p>  <p>0x3 Smooth Idler Pin (Weak)</p>	<p>228-2500-090</p>  <p>0x2 Connector Pin with Spherical Cap</p>	<p>228-2500-091</p>  <p>1.5x Pitch Plastic Motor Snap Shaft v1</p>
<p>228-2500-092</p>  <p>2x Pitch Plastic Motor Snap Shaft v1</p>	<p>228-2500-093</p>  <p>2x3 Smooth Idler Pin</p>	<p>228-2500-094</p>  <p>3x Pitch Plastic Motor Shaft</p>
<p>228-2500-097</p>  <p>0x3 Idler Pin</p>	<p>228-2500-098</p>  <p>1x2 Idler Pin</p>	<p>228-2500-112</p>  <p>Washer</p>
<p>228-2500-114</p>  <p>0.25x Pitch Spacer</p>	<p>228-2500-117</p>  <p>2x Pitch Shaft</p>	<p>228-2500-119</p>  <p>3x Pitch Shaft</p>
<p>228-2500-120</p>  <p>4x Pitch Shaft</p>	<p>228-2500-121</p>  <p>5x Pitch Shaft</p>	<p>228-2500-122</p>  <p>6x Pitch Shaft</p>
<p>228-2500-123</p>  <p>7x Pitch Shaft</p>	<p>228-2500-124</p>  <p>8x Pitch Shaft</p>	<p>228-2500-125</p>  <p>Shaft Bushing</p>





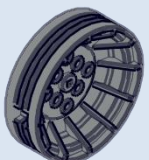




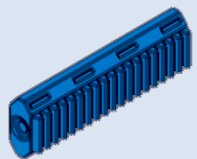
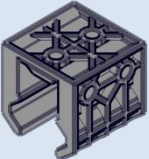






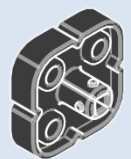
# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-140</p>  <p>2x2 Center Lock Beam 228-2500-161</p>	<p>228-2500-141</p>  <p>1x3 Center Lock Beam 228-2500-163</p>	<p>228-2500-143</p>  <p>Rubber Shaft Collar 228-2500-164</p>
 <p>3x3 Wye Lock Beam 228-2500-165</p>	 <p>10mm Pulley 228-2500-166</p>	 <p>20mm Pulley 228-2500-168</p>
 <p>30mm Pulley 228-2500-191</p>	 <p>40mm Pulley 228-2500-193</p>	 <p>Rubber Shaft Collar v1 228-2500-194</p>
 <p>Small Turntable Center Bushing 228-2500-195</p>	 <p>Small Turntable Outer Housing 228-2500-196</p>	 <p>Large Turntable Center Bushing 228-2500-197</p>
 <p>Large Turntable Outer Housing 228-2500-199</p>	 <p>XL Turntable Spider Housing 228-2500-200</p>	 <p>XL Turntable Spider Bushing 228-2500-202</p>
 <p>XL Turntable Outer Housing</p>	 <p>XL Turntable Plain Bushing</p>	 <p>XL Turntable 36 Tooth Ring Gear Bushing</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts

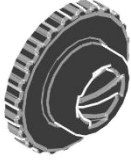



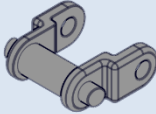
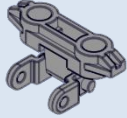





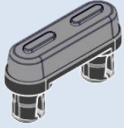
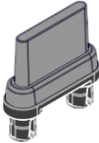
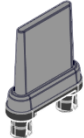
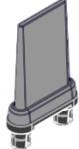





<p>228-2500-207</p>  <p>Tire (100 mm Travel) 228-2500-210</p>	<p>228-2500-208</p>  <p>Small Wheel Hub (Ø44 mm) 228-2500-211</p>	<p>228-2500-209</p>  <p>Tire (200 mm Travel) 228-2500-212</p>
 <p>Tire (160 mm Travel) 228-2500-213</p>	 <p>Large Wheel Hub (Ø64 mm) 228-2500-214</p>	 <p>Tire (250 mm Travel) 228-2500-215</p>
 <p>12 Tooth Gear 228-2500-216</p>	 <p>36 Tooth Gear 228-2500-217</p>	 <p>60 Tooth Gear 228-2500-218</p>
 <p>Rack Gear 228-2500-219</p>	 <p>Linear Slide 228-2500-221</p>	 <p>36 Tooth Crown Gear 228-2500-222</p>
 <p>Worm Gear 228-2500-223</p>	 <p>2x30mm Rubber Belt 228-2500-224</p>	 <p>2x40mm Rubber Belt 228-2500-225</p>
 <p>2x50mm Rubber Belt</p>	 <p>2x60mm Rubber Belt</p>	 <p>Inner Twist Lock Collar</p>












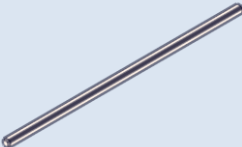








# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-226</p>  <p>Outer Twist Lock Collar 228-2500-229</p>	<p>228-2500-227</p>  <p>24 Tooth Gear 228-2500-230</p>	<p>228-2500-228</p>  <p>48 Tooth Gear 228-2500-231</p>
 <p>Spider 48 Tooth Ring Gear 228-2500-232</p>	 <p>Chain Link 228-2500-233</p>	 <p>Tank Tread / Attachment Link 228-2500-235</p>
 <p>8 Tooth Sprocket 228-2500-236</p>	 <p>16 Tooth Sprocket 228-2500-237</p>	 <p>24 Tooth Sprocket 228-2500-239</p>
 <p>32 Tooth Sprocket 228-2500-240</p>	 <p>40 Tooth Sprocket 228-2500-241</p>	 <p>Traction Link 228-2500-242</p>
 <p>Short Intake Flap 228-2500-243</p>	 <p>Medium Intake Flap 228-2500-244</p>	 <p>Long Intake Flap 228-2500-245</p>
 <p>Scarab Thrust Washer for 60 Tooth Gear</p>	 <p>18 Tooth Bevel Gear</p>	 <p>Differential Gear</p>



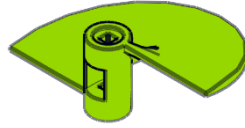
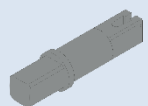

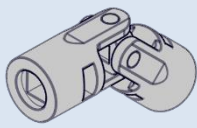
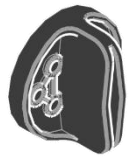
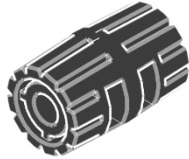

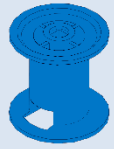
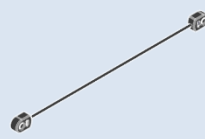

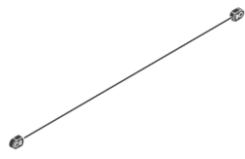





# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-246</p>  <p>1x4 Crank Arm with 23 Tooth Gear</p>	<p>228-2500-247</p>  <p>60 Tooth Internal Ring Gear</p>	<p>228-2500-250</p>  <p>12 Tooth Hybrid Gear</p>
<p>228-2500-251</p>  <p>24 Tooth Hybrid Gear</p>	<p>228-2500-252</p>  <p>36 Tooth Hybrid Gear</p>	<p>228-2500-253</p>  <p>48 Tooth Hybrid Gear</p>
<p>228-2500-254</p>  <p>60 Tooth Hybrid Gear</p>	<p>228-2500-260</p>  <p>9x Pitch Shaft</p>	<p>228-2500-261</p>  <p>10x Pitch Shaft</p>
<p>228-2500-262</p>  <p>11x Pitch Shaft</p>	<p>228-2500-263</p>  <p>12x Pitch Shaft</p>	<p>228-2500-264</p>  <p>14x Pitch Shaft</p>
<p>228-2500-265</p>  <p>16x Pitch Shaft</p>	<p>228-2500-266</p>  <p>18x Pitch Shaft</p>	<p>228-2500-267</p>  <p>20x Pitch Shaft</p>
<p>228-2500-268</p>  <p>22x Pitch Shaft</p>	<p>228-2500-269</p>  <p>24x Pitch Shaft</p>	<p>228-2500-297</p>  <p>Hexcalator Wheel</p>








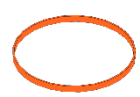

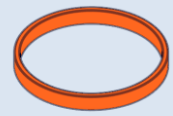
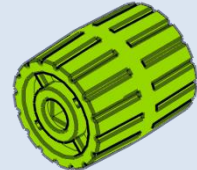

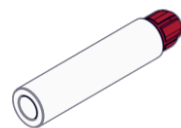

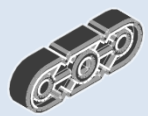
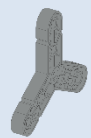

# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-318</p>  <p>Ant Wheel - 96mm</p>	<p>228-2500-319</p>  <p>Ant Wheel - 86mm</p>	<p>228-2500-324</p>  <p>1.5x Pitch Screw Segment (CW)</p>
<p>228-2500-328</p>  <p>1x Pitch Plastic Motor Snap Shaft</p>	<p>228-2500-347</p>  <p>Differential Gear (High Strength)</p>	<p>228-2500-350</p>  <p>Universal Joint</p>
<p>228-2500-354</p>  <p>Hand Knob</p>	<p>228-2500-355</p>  <p>Dial Knob</p>	<p>228-2500-420</p>  <p>1x Wide Spool</p>
<p>228-2500-421</p>  <p>2x Wide Spool</p>	<p>228-2500-430</p>  <p>12x Pitch Rope</p>	<p>228-2500-434</p>  <p>16x Pitch Rope</p>
<p>228-2500-436</p>  <p>20x Pitch Rope</p>	<p>228-2500-438</p>  <p>24x Pitch Rope</p>	<p>228-2500-440</p>  <p>36x Pitch Rope</p>
<p>228-2500-442</p>  <p>48x Pitch Rope</p>	<p>228-2500-444</p>  <p>60x Pitch Rope</p>	<p>228-2500-446</p>  <p>72x Pitch Rope</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-447</p>  <p>96x Pitch Rope</p>	<p>228-2500-448</p>  <p>120x Pitch Rope</p>	<p>228-2500-451</p>  <p>36 Tooth Idler Gear</p>
<p>228-2500-461</p>  <p>15 Tooth Gear (34DP)</p>	<p>228-2500-462</p>  <p>36 Tooth Gear (34DP)</p>	<p>228-2500-463</p>  <p>12 Tooth High Strength Bevel Gear</p>
<p>228-2500-468</p>  <p>Silicone Rubber Band #32</p>	<p>228-2500-470</p>  <p>Silicone Rubber Band #117B</p>	<p>228-2500-473</p>  <p>Hand Knob</p>
<p>228-2500-474</p>  <p>Silicone Rubber Band Thin #64 (Use 468)</p>	<p>228-2500-475</p>  <p>Silicone Rubber Band #64</p>	<p>228-2500-477</p>  <p>Medium Dial Knob</p>
<p>228-2500-500</p>  <p>25mm Ball</p>	<p>228-2500-506</p>  <p>Foam Dart</p>	<p>228-2500-1140</p>  <p>2x2 Center Lock Beam</p>
<p>228-2500-1141</p>  <p>1x3 Center Lock Beam</p>	<p>228-2500-1159</p>  <p>3x3 Wye Lock Beam</p>	<p>228-2500-1208</p>  <p>Small Wheel Hub (Ø44 mm)</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-1211</p>  <p>Large Wheel Hub (Ø64 mm) 228-2500-1305</p>	<p>228-2500-1225</p>  <p>2x30 mm Square Silicone Belt 228-2500-1306</p>	<p>228-2500-1303</p>  <p>Cam Follower 228-2500-1313</p>
 <p>Small 2x Pitch Drop Cam 228-2500-1314</p>	 <p>Large 1x Pitch Drop Cam 228-2500-1383</p>	 <p>Geneva Drive Wheel 228-2500-1384</p>
 <p>6 Position Geneva Wheel 228-2500-1394</p>	 <p>4x Pitch Diameter (160mm Travel) Smooth Wheel 228-2500-1399</p>	 <p>4x Pitch Diameter (160 mm Travel) Low-Friction Wheel 228-2500-1402</p>
 <p>Large Spring Dart 228-2500-1407</p>	 <p>Large Dart Launcher (Vertical Mount) 228-2500-1410</p>	 <p>6x Pitch Flywheel (75 g) 228-2500-1411</p>
 <p>16 Tooth Ratchet 228-2500-1413</p>	 <p>40 Tooth Ratchet 228-2500-1446</p>	 <p>Short Low-Profile Pawl 228-2500-1447</p>
 <p>0.5x Pitch Idler Pulley</p>	 <p>Propeller Clutch (CCW)</p>	 <p>Zip Flyer Propeller (CCW)</p>






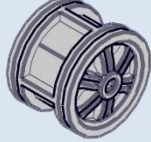









# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-1454</p>  <p>1x20 Linear Motion Rack Gear</p>	<p>228-2500-1456</p>  <p>1x5 Linear Motion Beam</p>	<p>228-2500-1457</p>  <p>1x6 Linear Motion Beam</p>
<p>228-2500-1459</p>  <p>1x8 Linear Motion Beam</p>	<p>228-2500-1469</p>  <p>2x Pitch Linear Motion Bracket (Side Mount)</p>	<p>228-2500-1470</p>  <p>1x Pitch Linear Motion Bracket (Snap Mount)</p>
<p>228-2500-1472</p>  <p>1x6 Linear Motion Rack Gear</p>	<p>228-2500-1473</p>  <p>1x6 Continuous Linear Motion Rack Gear</p>	<p>228-2500-1480</p>  <p>2x Pitch Shock Absorber (Strong)</p>
<p>228-2500-1548</p>  <p>1x4 Low Profile End Lock Beam</p>	<p>228-2500-1560</p>  <p>2x Pitch Shock Absorber (Weak)</p>	<p>228-2500-1580</p>  <p>Steering Knuckle</p>
<p>228-2500-1658</p>  <p>1x3 Large Crane Hook</p>	<p>228-2500-1660</p>  <p>Ball Pin Bushing</p>	<p>228-2500-1700</p>  <p>Airplane Nose Hook</p>
<p>228-2500-1907</p>  <p>Small Auger Drill Bit</p>	<p>228-2500-1908</p>  <p>Small Gripper Actuator</p>	<p>228-2500-1916</p>  <p>0.75x Wide, 1.5x Pitch Diameter Rover Wheel</p>



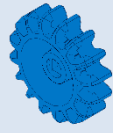


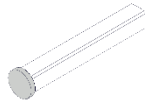



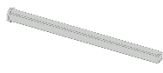

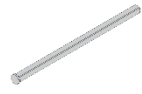






# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2500-1917</p>  <p>1.5x Wide, 2.5x Pitch Diameter Rover Wheel</p>	<p>228-2500-1919</p>  <p>3x Pitch 6-Blade Fan (CCW)</p>	<p>228-2500-1922</p>  <p>4x Pitch 6-Blade Fan (CCW)</p>
<p>228-2500-1925</p>  <p>2x2 Center Offset Round Lock Beam</p>	<p>228-2500-1926</p>  <p>2x Wide, 2x Pitch Diameter Rover Wheel</p>	<p>228-2500-1950</p>  <p>2x Wide, Ø32.2mm Diameter Hub</p>
<p>228-2500-1951</p>  <p>2x Wide, 3x Pitch Diameter Tire (Straight Offroad Tread)</p>	<p>228-2500-1952</p>  <p>2x Wide, 3.5x Pitch Diameter Balloon Tire (Chevron Offroad Tread)</p>	<p>228-2500-1953</p>  <p>2x Wide, Ø48.5mm Diameter Hub</p>
<p>228-2500-1954</p>  <p>2x Wide, 7x Pitch Diameter Balloon Tire (Racing Slick Tread)</p>	<p>228-2500-1955</p>  <p>2x Wide, 7x Pitch Diameter Balloon Tire (Offroad Hex Tread)</p>	<p>228-2500-1956</p>  <p>2x Wide, 5.5x Pitch Diameter Balloon Tire (Trapezoid Offroad Tread)</p>
<p>228-2500-1957</p>  <p>2x Wide, 3.5x Pitch Diameter Balloon Tire (Trapezoid Offroad Tread)</p>	<p>228-2500-1958</p>  <p>2x Wide, 5x Pitch Diameter Balloon Tire (Racing Slick Tread)</p>	<p>228-2500-1960</p>  <p>Small Rubber Intake Belt</p>

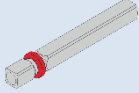
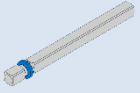
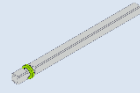
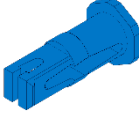


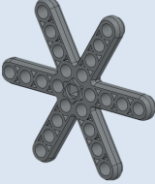
# VEX IQ Robotics Competition 2024-2025 Legal Parts




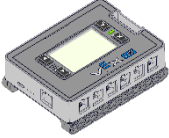
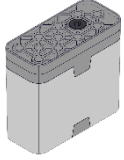
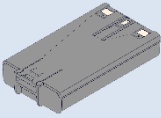
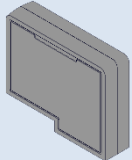
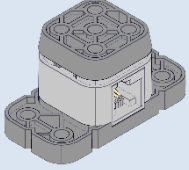
<p>228-2500-1961</p>  <p>Large Rubber Intake Belt</p>	<p>228-2500-2180</p>  <p>8 Tooth High Strength Hybrid Gear</p>	<p>228-2500-2181</p>  <p>16 Tooth High Strength Hybrid Gear</p>
<p>228-2500-2182</p>  <p>24 Tooth High Strength Hybrid Gear</p>	<p>228-2500-2191</p>  <p>24 Tooth High Strength Dog Gear</p>	<p>228-2500-2219</p>  <p>2x Pitch Capped Shaft</p>
<p>228-2500-2220</p>  <p>2.5x Pitch Capped Shaft</p>	<p>228-2500-2221</p>  <p>3x Pitch Capped Shaft</p>	<p>228-2500-2223</p>  <p>4x Pitch Capped Shaft</p>
<p>228-2500-2224</p>  <p>4.5x Pitch Capped Shaft</p>	<p>228-2500-2225</p>  <p>5x Pitch Capped Shaft</p>	<p>228-2500-2226</p>  <p>6x Pitch Capped Shaft</p>
<p>228-2500-2227</p>  <p>7x Pitch Capped Shaft</p>	<p>228-2500-2228</p>  <p>8x Pitch Capped Shaft</p>	<p>228-2500-2229</p>  <p>9x Pitch Capped Shaft</p>
<p>228-2500-2230</p>  <p>10x Pitch Capped Shaft</p>	<p>228-2500-2231</p>  <p>11x Pitch Capped Shaft</p>	<p>228-2500-2232</p>  <p>12x Pitch Capped Shaft</p>



# VEX IQ Robotics Competition 2024-2025 Legal Parts

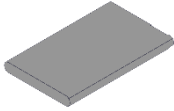
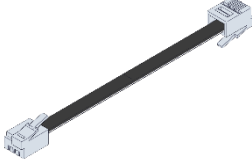
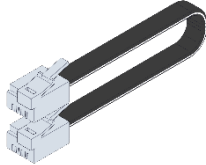
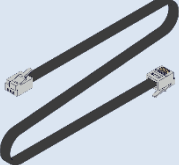
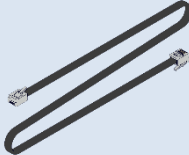

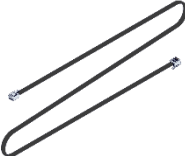
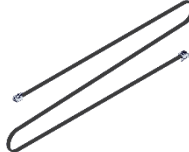
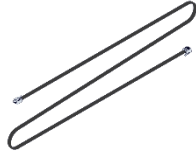
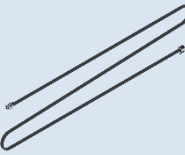
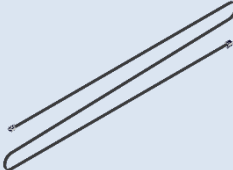
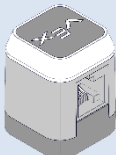
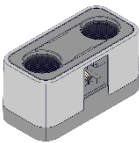
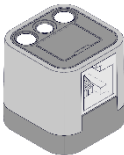
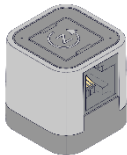


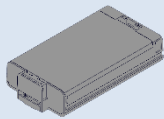
<p>228-2500-2234</p>  <p>2x Pitch Motor Shaft</p>	<p>228-2500-2236</p>  <p>3x Pitch Motor Shaft</p>	<p>228-2500-2238</p>  <p>4x Pitch Motor Shaft</p>
<p>228-2500-2258</p>  <p>0x2 Idler Pin (Weak)</p>	<p>228-2500-2425</p>  <p>2x30mm Square Silicone Belt (Strong)</p>	<p>228-2536</p>  <p>200mm Travel Omni-Directional Wheel</p>
<p>228-2500-389</p>  <p>6x 60 Center Lock Degree Beam</p>		

## Control

<p>228-2530</p>  <p>Controller</p>	<p>228-2540</p>  <p>Robot Brain</p>	<p>228-2560</p>  <p>Smart Motor</p>
<p>228-2604</p>  <p>Robot Battery</p>	<p>228-2621</p>  <p>900 MHz Radio</p>	<p>228-2677</p>  <p>Bumper Switch</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-2779</p>  <p>Controller Battery</p>	<p>228-2780-001</p>  <p>200 mm Smart Cable</p>	<p>228-2780-002</p>  <p>300 mm Smart Cable</p>
<p>228-2780-003</p>  <p>400 mm Smart Cable</p>	<p>228-2780-004</p>  <p>600 mm Smart Cable</p>	<p>228-2780-005</p>  <p>800 mm Smart Cable</p>
<p>228-2780-006</p>  <p>1.0 m Smart Cable</p>	<p>228-2780-007</p>  <p>1.2 m Smart Cable</p>	<p>228-2780-008</p>  <p>1.4 m Smart Cable</p>
<p>228-2780-009</p>  <p>1.6 m Smart Cable</p>	<p>228-2780-011</p>  <p>2.0 m Smart Cable</p>	<p>228-3010</p>  <p>Touch LED</p>
<p>228-3011</p>  <p>Distance Sensor</p>	<p>228-3012</p>  <p>Color Sensor</p>	<p>228-3014</p>  <p>Gyro Sensor</p>
<p>228-3015</p>  <p>2.4 GHz Radio</p>	<p>228-3530</p>  <p>Smart Radio</p>	<p>228-3493</p>  <p>Robot AA Battery Holder</p>

# VEX IQ Robotics Competition 2024-2025 Legal Parts



<p>228-6470</p> <p>IQ Controller (2<sup>nd</sup> Generation)</p>	<p>228-6480</p> <p>IQ Robot Brain (2<sup>nd</sup> Generation)</p>	<p>228-7045</p> <p>IQ Robot Battery (Li-Ion, 2000 mAh)</p>
<p>228-7082</p> <p>IQ Optical Sensor 228-7728-001</p>	<p>228-7106</p> <p>IQ Distance Sensor 228-7723-001</p>	<p>276-4850</p> <p>Vision Sensor 228-7724-001</p>
<p>VEX IQ Pneumatics Tubing 228-7722-000</p>	<p>2x Pitch Pneumatic Cylinder 228-7721-000</p>	<p>4x Pitch Pneumatic Cylinder 228-7725-000</p>
<p>Pneumatics Control Unit 228-7726-001</p>	<p>Air Tank 228-7726-002</p>	<p>Pneumatic Pump</p>
<p>2 Tube Connector</p>	<p>T Connector</p>	