

FTC Drivebase Kit – v2 - #70400-v2

3D CAD files for all parts are available at www.studica.com/studica-robotics-resources



Name	Part #	Qty	Image
Structure			
432mm U-Channel	76010	2	
240mm U-Channel	76014	2	
End Piece Plate (2 pack)	76143-2	2	
U-Channel Bumper (4 Pack)	76505-4	1	
Rubber Grommet (10 pack)	76504-10	1	
Motion			
NeveRest Orbital Gearmotor 19.2 to 1 JST-VH-2	am-3637b	4	
Expansion Hub Encoder Cable	70197	4	
Orbital Motor Mount	76138	4	
30 Tooth Bevel Gear, 1-to-1 Set (2 Pack)	76219-2	4	
6mm x 70mm D-Shaft (6 pack)	76160-6	1	

Clamping 6mm D-Shaft Hub - v2	76280	4	
6mm D-Shaft Flanged Bearing 14mm OD (12 pack)	76302-12	1	
6mm D-Shape Collar Clamp	76320	4	
100mm Slim Mecanum Wheel Set (Bearing Rollers, 2 left, 2 right)	76246	1	
Hardware			
M3 x 6mm Socket Head Cap Screw (50 pack)	76213-50	1	
M3 x 10mm Socket Head Cap Screw (100 pack)	76201-100	1	
M3 x 12mm Socket Head Cap Screw (100 pack)	76202-100	1	
M3 x 25mm Socket Head Cap Screw (50 pack)	76214-50	1	
6mm D-Shaft Nylon Spacer 1mm (24 pack)	76305-24	1	
1mm Thick M3 Screw Spacer (25 pack)	76309-25	2	