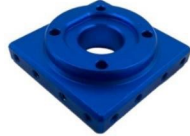




FTC Drivebase Kit – v2 (D-Shaft)

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

Name	Part #	Quantity	
Structure			
432 mm U-Channel	76010	2	
240 mm 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 JST-VH-2	am-3637b	4	
NeveRest Motor REV Hub Encoder Cable	am-3926a	4	
Orbital Mount Plate	76138	4	
30 Tooth Bevel Gear (2 Pack)	76219-2	4	
6mm x 70mm D-Shaft (6 pack)	76160-6	1	
Clamping Shaft Hub	76280	4	
14mm Flange Bearing (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	
Shaft Spacer Plastic 6mm ID x 10mm OD x 1mm L (24 pack)	76305-24	1	

1mm Thick M3 Screw Spacer (25 pack)	76309-25	2	
M3 Stainless Steel Split Washer (100 pack)	76216-100	1	
2.5mm Hex Ball End Screwdriver	70142	1	