



Item	Description	Material	Protection	Q'ty	Optional
1	Screw	ABS+304		1	
2	Indicator	Plastic		1	
3	Indicator Pin	ABS		4	
4	Spring Clip	Stainless Steel		1	
5	Thrust Washer (Pinion)	Stainless Steel		1	
6*	Thrust Bearing (Pinion)	POM		1	
7	Actuator Body Extruded	Extruded Aluminum Alloy	Hard Anodized (over 30µm)	1	
8*	O-Ring (Top Pinion)	NBR		1	Viton/Silicone
9*	Bearing (Top Pinion)	POM		1	
10*	Thrust Bearing (Pinion)	POM		1	
11	Stroke Cam	Stainless Steel		1	
12	Pinion	Alloy Steel	Nickel Plated (over 25µm)	1	
13*	Bearing (Lower Pinion)	POM		1	
14*	O-Ring (Lower Pinion)	NBR		1	Viton/Silicone
15	Piston	Die Cast Aluminum Alloy	Hard Anodized (over 30µm)	2	
16*	Piston Seal	NBR		2	Viton/Silicone
17*	Piston Bearing	POM		2	
18	Spring (Cartridge)	High Performance Spring Steel	Zinc Phosphate Coated	0-12	
19*	End Cap Seals	NBR		2	Viton/Silicone
20	Stroke Bolt	Stainless Steel		1	
21	End Cap	Die Cast Aluminum	Epoxy Coated (over 150µm)	2	
22	End Cap Bolts	Stainless Steel		8	
23	Plug	PE		2	
24*	Stroke Bolt O-Ring	NBR		2	Viton/Silicone
25	Stroke Bolt Washer	Stainless Steel		2	
26	Stroke Bolt Retaining Nut	Stainless Steel		2	
27	Stroke Bolt	Stainless Steel		2	
28*	Piston Guide	POM		2	

\* Note: Recommended spare parts for maintenance.