

Material Composition for RBD Turn Counting Dial

Sub-component	Material	% of Total Mass	Substance Name	CAS #	Substance Mass (mg)	Special Classification
Knob	PC	3.800	Polycarbonate	1344-28-1	3.23	
Shaft set	Zinc alloy	37.738	Zinc	7440-66-6	32.08	
		1.656	Aluminum	1344-28-1	1.41	
		0.040	Magnesium	7439-95-4	0.03	
		0.358	Copper	7440-70-2	0	
		0.008	Silicon	7440-21-3	0	
Lock Lever	Zinc alloy	5.784	Zinc	7440-66-6	4.916	
		0.254	Aluminum	1344-28-1	0.22	
		0.006	Magnesium	7439-95-4	0.0	
		0.055	Copper	7440-70-2	0.0	
		0.001	Silicon	7440-21-3	0.0	
Counting Ring	Zinc alloy	17.541	Zinc	7440-66-6	14.91	
		0.770	Aluminum	1344-28-1	0.7	
		0.019	Magnesium	7439-95-4	0.02	
		0.166	Copper	7440-70-2	0.14	
		0.004	Silicon	7440-21-3	0.00	
Gear	PC	0.300	Polycarbonate	1344-28-1	0.3	
Brake	Zinc alloy	1.422	Zinc	7440-66-6	1.209	
		0.062	Aluminum	1344-28-1	0.053	
		0.002	Magnesium	7439-95-4	0.00	
		0.013	Copper	7440-70-2	0.0	
		0.001	Silicon	7440-21-3	0.00	
Bottom Cover	Zinc alloy	25.507	Zinc	7440-66-6	21.68	
		1.119	Aluminum	1344-28-1	1	
		0.027	Magnesium	7439-95-4	0.0	
		0.242	Copper	7440-70-2	0.21	
		0.005	Silicon	7440-21-3	0.01	
Copper Washer	Copper	0.275	Copper	7440-50-8	0.2	
		0.024	Tin	7440-31-5	0	
		0.001	Phosphorus	7723-14-0	0.00	
Housing	Aluminum	2.304	Aluminum	1344-28-1	1.96	
		0.032	Magnesium	7439-98-5	0.03	
		0.032	Calcium	7440-70-2	0.03	
		0.032	Silicon	7440-21-3	0.03	
shaft oil	Polysiloxane	0.400	Polysiloxane	9011-19-2	0.3	

Total mass	85.00	mg
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