


# MATERIAL DECLARATION SHEET

# BOURNS®

Material Number	H-516-3A			
Product Line	Counting Dial			
Compliance Date	Since release			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Materials/ Substances	CASRN If applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. [%]
1	Case	Aluminum Alloy 5052	0.35	Aluminum (Metal)	7429-90-5	95	3.694	3.889
				Magnesium (metal)	7439-95-4	2.8	0.109	
				Copper	7440-50-8	0.1	0.004	
				Iron	7439-89-6	0.4	0.016	
				Silicon	7440-21-3	0.25	0.01	
				Zinc (Metal)	7440-66-6	0.1	0.004	
				Manganese	7439-96-5	1.0	0.039	
		Chromium	7440-47-3	0.35	0.013			
	Anodic oxidation	0.01	Aluminum oxide	1344-28-1	100	0.111	0.111	
2	Rotor	Nylon	2.73	Polyamide	32131-17-2	50	15.167	30.334
				Brominated polystyrene	88497-56-7	10	3.0335	
				Antimony Oxide	1309-64-4	10	3.0335	
				Glass	65997-17-3	30	9.100	
3	Lock Lever	Zinc Alloy Zamak 5	2.15	Aluminum (metal)	7429-90-5	4.0	0.9556	23.889
				Magnesium (metal)	7439-95-4	0.055	0.013	
				Copper	7440-50-8	0.9	0.2150	
				Iron	7439-89-6	0.04	0.0096	
				Lead	7439-92-1	0.002	0.0005	
				Cadmium	7440-43-9	0.002	0.0005	
				Tin	7440-31-5	0.001	0.0002	
Zinc	7440-66-6	95.00	22.6946					

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4	Brake	Zinc Alloy Zamak 5	0.2	Aluminum (metal)	7429-90-5	4.0	0.08888	2.222
				Magnesium (metal)	7439-95-4	0.055	0.00122	
				Copper	7440-50-8	0.9	0.02000	
				Iron	7439-89-6	0.04	0.00089	
				Lead	7439-92-1	0.002	0.000045	
				Cadmium	7440-43-9	0.002	0.000045	
				Tin	7440-31-5	0.001	0.00002	
5	Washer	Bronze C5210	0.02	Copper	7440-50-8	91.68	0.2035	0.222
				Tin	7440-31-5	8.167	0.0181	
				Phosphorus	7723-14-0	0.153	0.0004	
6	Gear	POM	0.03	TRIOXANE	110-88-3	96	0.320	0.333
				DIOXOLANE	646-06-0	3	0.010	
				ADDITIVE	---	1	0.003	
7	Dial	PC 2805	0.2	Polycarbonate	25037-45-0	100	2.222	2.222
8	Bottom Cover	Nylon	3.2	Polyamide	32131-17-2	50	17.778	35.556
				Brominated polystyrene	88497-56-7	10	3.556	
				Antimony Oxide	1309-64-4	10	3.556	
				Glass	65997-17-3	30	10.666	
9	Number Paint	Ink	0.1	Epoxy resin	24969-06-0	45	0.500	1.111
				Talc	14807-96-6	30	0.333	
				pigment	84632-65-5	15	0.167	
				Carbon black	1333-86-4	3	0.033	
				Diethylene glycol monobutyl ether	112-34-5	7	0.078	

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10	Lube	Polysiloxane	0.01	Polysiloxane	9011-19-2	100	0.111	0.111
		Total weight	9					

**This Document was updated on: 04/29/2026**

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.