


# MATERIAL DECLARATION SHEET



Material Number	CT-23-6A			
Product Line	Dials			
Compliance Date	January 1995			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material/ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	External Housing	Polycarbonate	1.2	Polycarbonate		97.68852	15.244	15.603
				Proprietary Ingredients		0.647541	0.101	
				Flame Retardant		0.647541	0.101	
				Pigment		1.016393	0.156	
2	Brake	Steel	0.2	Carbon	7440-44-0	0.524	0.014	2.618
				Manganese	7439-96-5	0.63	0.016	
				Phosphorous	7723-14-0	0.014	0.004	
				Sulfur	7704-34-9	0.016	0.0004	
				Silicon	7440-21-3	0.21	0.005	
				Iron	7439-89-6	98.606	2.565	
		Proprietary Information		0.647541	0.017			
Finish	0.25	Trizinc bis(orthophosphate)	7779-90-0	100	3.251	3.251		
3	Bushing	Polycarbonate	0.8	Polycarbonate		97.68852	10.163	10.402
				Proprietary Ingredients		0.647541	0.068	
				Flame Retardant		0.647541	0.068	
				Pigment		1.016393	0.104	
4	Gearwheel Housing	Polycarbonate	0.6	Polycarbonate		97.68852	7.622	7.802
				Proprietary Ingredients		0.647541	0.051	
				Flame Retardant		0.647541	0.051	
				Pigment		1.016393	0.078	

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5	Number Wheel X 3	Polyamide	0.05	Undecanoic acid, 11-amino-, polyamide	25587-80-8	96.25	0.626	0.65
				Inorganic Material		2	0.013	
				Proprietary Ingredients		1.75	0.011	
6	Switch Actuator X 2	POM	0.08	polyacetate copolymer	24969-26-4	97	1.009	1.04
				Proprietary Ingredients		2	0.021	
				Pigment		1	0.01	
7	Gear Wheel	POM	0.07	polyacetate copolymer	24969-26-4	97	0.883	0.91
				Proprietary Ingredients		2	0.018	
				Pigment		1	0.009	
8	Numerical Disk	Aluminum	0.2	Silicon	7440-21-3	0.15	0.004	2.601
				Iron	7439-89-6	0.35	0.009	
				Copper	7440-50-8	0.1	0.003	
				Manganese	7439-96-5	0.1	0.003	
				Magnesium	7439-95-4	0.8	0.021	
				Chromium	7440-47-3	0.05	0.001	
				Titanium	7440-32-6	0.025	0.001	
				Aluminum	7429-90-5	98.3	2.557	
Zinc	7440-66-6	0.125	0.003					
9	Lens	Polycarbonate	0.4	Polycarbonate		96.5	5.202	5.202
10	Retaining Ring	Aluminum	0.01	Silicon	7440-21-3	0.66	0.001	0.009
				Iron	7439-89-6	0.58	0.001	
				Copper	7440-50-8	3.94	0.005	
				Manganese	7439-96-5	0.676	0.001	
				Magnesium Powder	7439-95-4	0.723	0.001	
				Chromium	7440-47-3	0.036	0.00005	
				Titanium	7440-32-6	0.023	0.00003	
				Nickel	7440-02-0	0.004	0.00001	
				Bismuth	7440-69-9	0.101	0.0001	
				Aluminum	7429-90-5	92.157	0.119	
				Zinc	7440-66-6	0.25	0.003	
Lead	7439-92-1	0.85	0.001					

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11	Pin 1	Brass	0.3	Copper	7440-50-8	63	2.458	3.901
				Zinc	7440-66-6	36.38	1.419	
				Aluminum	7429-90-5	0.015	0.0006	
				Iron	7439-89-6	0.05	0.002	
				Manganese	7439-96-5	0.05	0.002	
				Nickel	7440-02-0	0.15	0.006	
				Lead	7439-92-1	0.05	0.002	
				Antimony	7440-36-0	0.005	0.0002	
				Tin	7440-31-5	0.05	0.002	
				Proprietary Ingredients		0.25	0.009	
12	Pin 2	Brass	0.4	Copper	7440-50-8	63	3.277	5.202
				Zinc	7440-66-6	36.38	1.892	
				Aluminum	7429-90-5	0.015	0.001	
				Iron	7439-89-6	0.05	0.003	
				Manganese	7439-96-5	0.05	0.003	
				Nickel	7440-02-0	0.15	0.008	
				Lead	7439-92-1	0.05	0.003	
				Antimony	7440-36-0	0.005	0.0003	
				Tin	7440-31-5	0.05	0.003	
				Proprietary Ingredients		0.25	0.013	
13	Pin 3	Brass	0.45	Copper	7440-50-8	58	3.394	5.846
				Aluminum	7429-90-5	0.05	0.003	
				Iron	7439-89-6	0.2	0.012	
				Nickel	7440-02-0	0.15	0.009	
				Lead	7439-92-1	3	0.176	
				Tin	7440-31-5	0.35	0.02	
				Zinc	7440-66-6	38.15	2.232	
				Proprietary Ingredients		0.1	0.006	
14	Washer	Stainless Steel	0.2	Carbon	7440-44-0	0.035	0.001	5.601

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				Chromium	7440-47-3	18.25	0.475	
				Manganese	7439-96-5	1	0.026	
				Nitrogen	7727-37-9	0.055	0.001	
				Nickel	7440-02-0	9.25	0.24	
				Phosphorous	7723-14-0	0.0225	0.0006	
				Sulfur	7704-34-9	0.0075	0.0002	
				Silicon	7440-21-3	0.5	0.013	
				Iron	7439-89-6	70.38	1.83	
				Copper	7440-50-8	0.5	0.013	
15	Lever Flap	Nylon	0.5	Nylon		68	4.421	6.502
				Glass Fibers	65997-17-3	30	1.951	
				Proprietary Ingredients		2	0.13	
17	Set Screw	Steel	0.25	Boron	7440-42-8	0.0015	0.021	0.219
				Carbon	7440-44-0	0.275	0.019	
				Iron	7439-89-6	99.6685	0.128	
				Phosphorous	7723-14-0	0.025	0.022	
				Sulfur	7704-34-9	0.03	0.001	
18	Lock Washer	Aluminum	0.35	Silicon	7740-21-3	0.2	0.009	4.551
				Iron	7439-89-6	0.2	0.009	
				Copper	7440-50-8	0.05	0.002	
				Manganese	7439-96-5	0.25	0.011	
				Magnesium	7439-95-4	3.1	0.141	
				Chromium	7440-47-3	0.15	0.007	
				Zinc	7440-66-6	0.1	0.005	
				Titanium	7440-32-6	0.075	0.003	
				Aluminum	7429-90-5	95.875	4.364	
19	Washer	Stainless Steel	0.43	Carbon	7440-44-0	0.1	0.006	5.541
				Chromium	7440-47-3	17.5	0.979	

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				Manganese	7439-96-5	1	0.056	
				Nitrogen	7727-37-9	0.055	0.003	
				Nickel	7440-02-0	7.5	0.419	
				Phosphorous	7723-14-0	0.0225	0.001	
				Sulfur	7704-34-9	0.0075	0.0004	
				Silicon	7440-21-3	1	0.056	
				Iron	7439-89-6	71.915	4.021	
				Copper	7440-5-08	0.5	0.028	
				Molybdenum	7439-98-7	0.4	0.022	
20	Washer	Stainless Steel	0.05	Carbon	7440-44-0	0.1	0.0006	0.17
				Chromium	7440-47-3	17.5	0.114	
				Manganese	7439-96-5	1	0.007	
				Nitrogen	7727-37-9	0.055	0.0004	
				Nickel	7440-02-0	7.5	0.049	
				Phosphorous	7723-14-0	0.0225	0.0001	
				Sulfur	7704-34-9	0.0075	0.00005	
				Silicon	7440-21-3	1	0.007	
				Iron	7439-89-6	71.915	0.468	
				Copper	7440-5-08	0.5	0.003	
				Molybdenum	7439-98-7	0.4	0.003	
21	Bushing	Brass	0.9	Copper	7440-50-8	70	8.193	11.704
				Zinc	7440-66-6	30	3.511	
		Total weight	7.69					

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**This Document was updated on:** June 20, 2006

**Important remarks:**

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