

MATERIAL DECLARATION SHEET



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Material Number	H-46-6A			Picture
Product Line	Turn Counting Dials			
Compliance Date	2003			
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	Base	Zinc	22	Aluminum	7429-90-5	4	1.148	28.708
				Magnesium	7439-98-5	0.06	0.017	
				Copper	7440-50-8	0.9	0.258	
				Iron	7439-89-6	0.05	0.014	
				Lead	7439-92-1	0.005	0.001	
				Cadmium	7440-43-9	0.004	0.001	
				Tin	7440-31-5	0.002	0.0006	
		Plating	0.05	Zinc	7440-66-6	100	0.065	0.065
2	Graduated Dial	Zinc	29	Aluminum	7429-90-5	4	1.151	37.842
				Magnesium	7439-98-5	0.06	0.023	
				Copper	7440-50-8	0.9	0.341	
				Iron	7439-89-6	0.05	0.019	
				Lead	7439-92-1	0.005	0.002	
				Cadmium	7440-43-9	0.004	0.002	
				Tin	7440-31-5	0.002	0.0008	
				Zinc	7440-66-6	94.979	35.942	
		Plating	0.84	Trivalent Chrome		29.76	0.326	1.096
				Nickel	7440-02-0	41.67	0.457	
	Copper			7440-50-8	28.57	0.313		
Paint	0.005	Solid Resin		100	0.007	0.007		



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3	Cover	Aluminum	10	Silicon	7740-21-3	0.2	0.026	13.049
				Iron	7439-89-6	0.19	0.025	
				Copper	7440-50-8	3.9	0.509	
				Manganese	7439-96-5	0.6	0.078	
				Magnesium	7439-98-5	0.66	0.086	
				Chromium (non-hexavalent)	7740-47-3	0.005	0.0006	
				Zinc	7440-66-6	0.007	0.0009	
				Titanium	7440-32-6	0.007	0.0009	
				Lead	7439-92-1	0.019	0.003	
				Bismuth	7440-69-9	0.1	0.013	
				Nickel	7440-02-0	0.002	0.0003	
		Aluminum	7429-90-5	94.31	12.306			
		Plating	0.42	Trivalent Chrome		28.57	0.157	0.548
				Nickel	7440-02-0	42.86	0.235	
Copper	7440-50-8			28.57	0.157			
4	Knob	POM	3	Polyacetate copolymer	24969-26-4	100	3.915	3.915
5	Crown	Zinc	2	Aluminum	7429-90-5	4	0.104	2.609
				Magnesium	7439-98-5	0.06	0.002	
				Copper	7440-50-8	0.9	0.024	
				Iron	7439-89-6	0.05	0.001	
				Lead	7439-92-1	0.005	0.0001	
				Cadmium	7440-43-9	0.004	0.0001	
				Tin	7440-31-5	0.002	0.0001	
		Zinc	7440-66-6	94.979	2.479			
Plating	0.005	Zinc	7440-66-6	100	0.007	0.007		



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6	Lever Brake	Zinc	1	Aluminum	7429-90-5	4	0.052	1.305
				Magnesium	7439-98-5	0.06	0.0008	
				Copper	7440-50-8	0.9	0.012	
				Iron	7439-89-6	0.05	0.0007	
				Lead	7439-92-1	0.005	0.0001	
				Cadmium	7440-43-9	0.004	0.00005	
				Tin	7440-31-5	0.002	0.00003	
		Zinc	7440-66-6	94.979	1.239			
Plating	0.005	Zinc	7440-66-6	100	0.007	0.007		
7	Ring Brake	Zinc	6	Aluminum	7429-90-5	4	0.313	7.829
				Magnesium	7439-98-5	0.06	0.005	
				Copper	7440-50-8	0.9	0.071	
				Iron	7439-89-6	0.05	0.004	
				Lead	7439-92-1	0.005	0.0004	
				Cadmium	7440-43-9	0.004	0.0003	
				Tin	7440-31-5	0.002	0.0002	
		Zinc	7440-66-6	94.979	7.436			
Plating	0.01	Zinc	7440-66-6	100	0.013	0.013		
8	Pinion	POM	0.30	Polyacetate copolymer	24969-26-4	100	0.391	0.391
9	Spacer	POM	0.05	Polyacetate copolymer	24969-26-4	100	0.065	0.065
10	Mounting Bracket	Zinc	1	Aluminum	7429-90-5	4	0.052	1.305
				Magnesium	7439-98-5	0.06	0.0008	
				Copper	7440-50-8	0.9	0.012	
				Iron	7439-89-6	0.05	0.0007	
				Lead	7439-92-1	0.005	0.0001	
				Cadmium	7440-43-9	0.004	0.00005	
				Tin	7440-31-5	0.002	0.00003	
		Zinc	7440-66-6	94.979	1.239			



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11	Screw	Stainless Steel	0.3	Carbon	7440-44-0	0.15	0.0006	0.392
				Manganese	7439-96-5	2	0.008	
				Silicon	7740-21-3	1	0.004	
				Chromium (non-hexavalent)	7740-47-3	18	0.04	
				Nickel	7440-02-0	9	0.035	
				Molybdenum	7439-98-7	0.6	0.002	
				Sulfur	7446-09-5	1.5	0.006	
				Phosphorus	7723-14-0	0.2	0.0008	
				Iron	7439-89-6	67.55	0.264	
12	Hex Key	Steel	0.6	Carbon	7440-44-0	0.52	0.004	0.783
				Silicon	7740-21-3	1.3	0.01	
				Nickel	7440-02-0	0.6	0.005	
				Iron	7439-89-6	97.58	0.764	
13	Lube	Molybdenum disulfide grease	0.05	Solvent-refined heavy paraffinic petroleum distillate	64741-88-4	47	0.031	0.066
				Hydrotreated heavy naphthenic petroleum distillate	64742-52-5	47	0.031	
				Calcium hydroxide	1305-62-0	3	0.002	
				Barium dinonyl naphthalene sulphonate	25619-56-1	3	0.002	
		Total weight	76.635					

This Document was updated on: August 3, 2006

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.
2. Cadmium content in zinc material is below the 0.01% MCV for RoHS compliance. Lead content in zinc and aluminum material is below the 0.1% MCV for RoHS compliance.