

Mubea Standard Disc Springs Parts List - Per Din 2093 - Material 51CrV4 with zinc phosphate and oil

Mubea P/N	O.D. (De, mm)	I.D. (De, mm)	Thickness (t,mm)	LO	Reduced Thickness (t',mm)	Weight (kg / 1000)	Pack Size	Group #
170937	6.00	3.20	0.30	0.45		0.048	loose	Group 1
170328	8.00	3.20	0.20	0.40		0.066	loose	Group 1
170001	8.00	3.20	0.30	0.55		0.099	200	Group 1
170002	8.00	3.20	0.40	0.60		0.133	200	Group 1
170003	8.00	3.20	0.50	0.70		0.166	200	Group 1
170004	8.00	4.20	0.20	0.45		0.057	200	Group 1
170005	8.00	4.20	0.30	0.55		0.086	200	Group 1
170006	8.00	4.20	0.40	0.60		0.114	200	Group 1
170007	10.00	3.20	0.30	0.65		0.166	200	Group 1
170008	10.00	3.20	0.40	0.70		0.221	200	Group 1
170009	10.00	3.20	0.50	0.85		0.277	200	Group 1
170010	10.00	4.20	0.40	0.70		0.203	200	Group 1
170011	10.00	4.20	0.50	0.75		0.254	200	Group 1
170012	10.00	4.20	0.60	0.85		0.304	200	Group 1
170013	10.00	5.20	0.25	0.55		0.112	200	Group 1
170014	10.00	5.20	0.40	0.70		0.180	200	Group 1
170015	10.00	5.20	0.50	0.75		0.225	200	Group 1
170016	12.00	4.20	0.40	0.80		0.311	200	Group 1
170017	12.00	4.20	0.50	0.90		0.389	200	Group 1
170018	12.00	4.20	0.60	1.00		0.467	200	Group 1
170019	12.00	5.20	0.50	0.90		0.360	200	Group 1
170020	12.00	5.20	0.60	0.95		0.432	200	Group 1
170021	12.00	6.20	0.50	0.85		0.325	200	Group 1
170022	12.00	6.20	0.60	0.95		0.390	200	Group 1
170023	12.50	6.20	0.35	0.80		0.254	200	Group 1
170024	12.50	6.20	0.50	0.85		0.363	200	Group 1
170025	12.50	6.20	0.70	1.00		0.508	200	Group 1
170026	14.00	7.20	0.35	0.80		0.311	200	Group 1
170027	14.00	7.20	0.50	0.90		0.444	200	Group 1
170028	14.00	7.20	0.80	1.10		0.711	200	Group 1
170029	15.00	5.20	0.40	0.95		0.488	200	Group 1
170030	15.00	5.20	0.50	1.00		0.610	200	Group 1
170031	15.00	5.20	0.60	1.05		0.732	200	Group 1
170032	15.00	5.20	0.70	1.25		0.854	200	Group 1
170033	15.00	6.20	0.50	1.00		0.575	200	Group 1
170034	15.00	6.20	0.60	1.05		0.690	200	Group 1
170035	15.00	6.20	0.70	1.10		0.805	200	Group 1
170036	15.00	8.20	0.70	1.10		0.681	200	Group 1
170037	15.00	8.20	0.80	1.20		0.778	200	Group 1
170038	16.00	8.20	0.40	0.90		0.465	200	Group 1
170039	16.00	8.20	0.60	1.05		0.698	200	Group 1
170227	16.00	8.20	0.70	1.20		0.815	loose	Group 1
170156	16.00	8.20	0.80	1.20		0.931	loose	Group 1
170040	16.00	8.20	0.90	1.25		1.047	200	Group 1
170041	18.00	6.20	0.40	1.00		0.704	200	Group 1
170042	18.00	6.20	0.50	1.10		0.880	200	Group 1
170043	18.00	6.20	0.60	1.20		1.056	200	Group 1
170044	18.00	6.20	0.70	1.40		1.232	200	Group 1
170045	18.00	6.20	0.80	1.50		1.408	200	Group 1
170214	18.00	8.20	0.50	1.10		0.750	loose	Group 1
170046	18.00	8.20	0.70	1.25		1.108	200	Group 1
170047	18.00	8.20	0.80	1.30		1.266	200	Group 1
170048	18.00	8.20	1.00	1.50		1.582	200	Group 1

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170049	18.00	9.20	0.45	1.05		0.664	200	Group 1
170050	18.00	9.20	0.70	1.20		1.033	200	Group 1
170051	18.00	9.20	1.00	1.40		1.476	200	Group 1
170052	20.00	8.20	0.50	1.15		1.026	200	Group 1
170053	20.00	8.20	0.60	1.30		1.231	200	Group 1
170054	20.00	8.20	0.70	1.35		1.436	200	Group 1
170055	20.00	8.20	0.80	1.40		1.641	200	Group 1
170056	20.00	8.20	0.90	1.50		1.846	200	Group 1
170057	20.00	8.20	1.00	1.60		2.051	200	Group 1
170058	20.00	10.20	0.40	0.90		0.730	200	Group 1
170059	20.00	10.20	0.50	1.15		0.912	200	Group 1
170060	20.00	10.20	0.80	1.35		1.460	200	Group 1
170061	20.00	10.20	0.90	1.45		1.642	200	Group 1
170062	20.00	10.20	1.00	1.55		1.824	200	Group 1
170063	20.00	10.20	1.10	1.55		2.007	200	Group 1
180423	20.00	10.20	1.25	1.75		2.190	loose	Group 2
180522	20.00	10.20	1.50	1.80		2.646	loose	Group 2
170064	22.50	11.20	0.60	1.40		1.409	200	Group 1
170065	22.50	11.20	0.80	1.45		1.878	200	Group 1
180001	22.50	11.20	1.25	1.75		2.935	200	Group 2
170066	23.00	8.20	0.70	1.50		1.993	200	Group 1
170067	23.00	8.20	0.80	1.55		2.277	200	Group 1
170068	23.00	8.20	0.90	1.70		2.561	200	Group 1
170069	23.00	10.20	0.90	1.65		2.357	200	Group 1
170070	23.00	10.20	1.00	1.70		2.619	200	Group 1
180620	23.00	10.20	1.25	1.90		3.300	loose	Group 2
170071	23.00	12.20	1.00	1.60		2.343	200	Group 1
180002	23.00	12.20	1.25	1.85		2.929	200	Group 2
180003	23.00	12.20	1.50	2.10		3.514	200	Group 2
170072	25.00	12.20	0.70	1.60		2.055	200	Group 1
170073	25.00	12.20	0.90	1.60		2.642	200	Group 1
170109	25.00	12.20	1.00	1.80		2.936	loose	Group 1
180504	25.00	12.20	1.25	1.90-2.05		3.523	loose	Group 2
180004	25.00	12.20	1.50	2.05		4.403	200	Group 2
170074	28.00	10.20	0.80	1.75		3.354	200	Group 1
170075	28.00	10.20	1.00	2.00		4.191	200	Group 1
180005	28.00	10.20	1.25	2.25		5.238	200	Group 2
180006	28.00	10.20	1.50	2.20		6.286	200	Group 2
170076	28.00	12.20	1.00	1.95		3.914	200	Group 1
180007	28.00	12.20	1.25	2.10		4.893	200	Group 2
180008	28.00	12.20	1.50	2.25		5.872	200	Group 2
170077	28.00	14.20	0.80	1.80		2.872	200	Group 1
170078	28.00	14.20	1.00	1.80		3.590	200	Group 1
180009	28.00	14.20	1.25	2.10		4.486	200	Group 2
180010	28.00	14.20	1.50	2.15		5.386	200	Group 2
170079	31.50	16.30	0.80	1.85		3.583	100	Group 1
180011	31.50	16.30	1.25	2.15		5.599	100	Group 2
180012	31.50	16.30	1.50	2.40		6.717	100	Group 2
180013	31.50	16.30	1.75	2.45		7.839	100	Group 2
180014	31.50	16.30	2.00	2.75		8.956	100	Group 2
170080	34.00	12.30	1.00	2.20		6.194	200	Group 1
180015	34.00	12.30	1.25	2.45		7.743	100	Group 2

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180016	34.00	12.30	1.50	2.70		9.288	100	Group 2
180017	34.00	14.30	1.25	2.40		7.330	100	Group 2
180018	34.00	14.30	1.50	2.55		8.799	100	Group 2
180019	34.00	16.30	1.50	2.55		8.233	100	Group 2
180020	34.00	16.30	2.00	2.85		10.978	100	Group 2
170081	35.50	18.30	0.90	2.05		5.134	100	Group 1
180021	35.50	18.30	1.25	2.25		7.131	100	Group 2
180022	35.50	18.30	2.00	2.80		11.410	100	Group 2
180023	40.00	14.30	1.25	2.65		10.755	100	Group 2
180024	40.00	14.30	1.50	2.80		12.905	100	Group 2
180025	40.00	14.30	1.75	3.05		15.056	100	Group 2
180026	40.00	14.30	2.00	3.05		17.207	100	Group 2
180027	40.00	16.30	1.50	2.80		12.339	100	Group 2
180028	40.00	16.30	1.75	3.10		14.396	100	Group 2
180029	40.00	16.30	2.00	3.10		16.499	100	Group 2
180030	40.00	18.30	2.00	3.15		15.599	100	Group 2
170082	40.00	20.40	1.00	2.30		7.299	100	Group 1
180031	40.00	20.40	1.50	2.65		10.948	100	Group 2
180032	40.00	20.40	2.00	3.10		14.590	100	Group 2
180033	40.00	20.40	2.25	3.15		16.422	100	Group 2
180034	40.00	20.40	2.50	3.45		18.246	100	Group 2
180035	45.00	22.40	1.25	2.85		11.739	200	Group 2
180036	45.00	22.40	1.75	3.05		16.434	200	Group 2
180037	45.00	22.40	2.50	3.50		23.478	200	Group 2
180038	48.00	16.30	1.50	3.00		18.850	200	Group 2
180039	50.00	18.40	1.25	2.85		16.657	100	Group 2
180040	50.00	18.40	1.50	3.15		19.988	100	Group 2
180041	50.00	18.40	2.00	3.65		26.651	100	Group 2
180042	50.00	18.40	2.50	4.15		33.314	100	Group 2
180043	50.00	18.40	3.00	4.20		39.977	100	Group 2
184797	50.00	18.40	3.00	4.40		39.977	100	Group 2
180044	50.00	20.40	2.00	3.50		25.695	100	Group 2
180045	50.00	20.40	2.50	3.85		32.118	100	Group 2
180046	50.00	22.40	2.00	3.60		24.639	100	Group 2
180047	50.00	22.40	2.50	3.90		30.799	100	Group 2
180048	50.00	25.40	1.25	2.85		14.294	100	Group 2
180049	50.00	25.40	1.50	3.10		17.153	100	Group 2
180050	50.00	25.40	2.00	3.40		22.871	100	Group 2
180051	50.00	25.40	2.25	3.75		25.730	100	Group 2
180052	50.00	25.40	2.50	3.90		28.589	100	Group 2
180053	50.00	25.40	3.00	4.10		34.306	100	Group 2
180054	56.00	28.50	1.50	3.45		21.489	100	Group 2
180055	56.00	28.50	2.00	3.60		28.653	100	Group 2
180056	56.00	28.50	2.50	4.20		35.816	100	Group 2
180057	56.00	28.50	3.00	4.30		42.979	100	Group 2
180058	60.00	20.50	2.00	4.20		39.208	100	Group 2
180059	60.00	20.50	2.50	4.70		49.009	100	Group 2
180060	60.00	20.50	3.00	5.20		58.811	100	Group 2
180061	60.00	25.50	2.50	4.40		45.465	100	Group 2
180062	60.00	25.50	3.00	4.65		54.557	100	Group 2
180063	60.00	30.50	2.50	4.50		41.149	100	Group 2
180064	60.00	30.50	2.75	4.75		45.264	100	Group 2

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Mubea P/N	O.D. (De, mm)	I.D. (De, mm)	Thickness (t,mm)	LO	Reduced Thickness (t',mm)	Weight (kg / 1000)	Pack Size	Group #
180065	60.00	30.50	3.00	4.70		49.379	100	Group 2
180066	60.00	30.50	3.50	5.00		57.608	100	Group 2
180067	63.00	31.00	1.80	4.15		33.381	100	Group 2
180068	63.00	31.00	2.50	4.25		46.362	100	Group 2
180069	63.00	31.00	3.00	4.70		55.635	100	Group 2
180070	63.00	31.00	3.50	4.90		64.907	100	Group 2
180071	70.00	24.50	3.00	5.30		79.526	100	Group 2
180072	70.00	24.50	3.50	6.00		92.781	100	Group 2
180073	70.00	25.50	2.00	4.50		52.401	100	Group 2
180074	70.00	30.50	2.50	4.90		61.186	100	Group 2
180075	70.00	30.50	3.00	5.10		73.423	100	Group 2
180076	70.00	35.50	3.00	5.10		67.319	50	Group 2
180077	70.00	35.50	3.50	5.30		78.539	50	Group 2
180078	70.00	35.50	4.00	5.80		89.759	50	Group 2
180079*	70.00	35.50	4.00	5.80	3.75	84.152	50	Group 2
180080	70.00	40.50	4.00	5.70		80.388	50	Group 2
180081*	70.00	40.50	4.00	5.70	3.75	75.364	50	Group 2
180082	70.00	40.50	5.00	6.40		100.485	50	Group 2
180083*	70.00	40.50	5.00	6.40	4.70	94.456	50	Group 2
180084	71.00	36.00	2.00	4.60		46.177	100	Group 2
180085	71.00	36.00	2.50	4.50		57.722	100	Group 2
180086	71.00	36.00	4.00	5.60		92.355	50	Group 2
180087	71.00	36.00	4.00	5.60	3.75	86.582	50	Group 2
180088	80.00	30.50	2.50	5.30		84.305	50	Group 2
180089	80.00	31.00	3.00	5.50		100.598	50	Group 2
180090	80.00	31.00	4.00	6.10		134.130	50	Group 2
180091*	80.00	31.00	4.00	6.10	3.75	125.747	50	Group 2
180092	80.00	35.50	4.00	6.20		126.750	50	Group 2
180093*	80.00	35.50	4.00	6.20	3.75	118.828	50	Group 2
180094	80.00	36.00	3.00	5.70		94.401	50	Group 2
180095	80.00	41.00	2.25	5.20		65.460	50	Group 2
180096	80.00	41.00	3.00	5.30		87.281	50	Group 2
180097	80.00	41.00	4.00	6.20		116.374	50	Group 2
180098*	80.00	41.00	4.00	6.20	3.75	109.100	50	Group 2
180099	80.00	41.00	5.00	6.70		145.468	50	Group 2
180100*	80.00	41.00	5.00	6.70	4.70	136.740	50	Group 2
180101	90.00	46.00	2.50	5.70		92.231	loose	Group 2
180102	90.00	46.00	3.50	6.00		129.124	loose	Group 2
180103	90.00	46.00	5.00	7.00		184.463	loose	Group 2
180104*	90.00	46.00	5.00	7.00	4.70	173.395	loose	Group 2
180105	100.00	41.00	4.00	7.20		205.153	loose	Group 2
180106*	100.00	41.00	4.00	7.20	3.80	194.896	loose	Group 2
180107	100.00	41.00	5.00	7.75		256.441	loose	Group 2
180108*	100.00	41.00	5.00	7.75	4.70	241.055	loose	Group 2
180109	100.00	51.00	2.70	6.20		123.164	loose	Group 2
180110	100.00	51.00	3.50	6.30		159.657	loose	Group 2
180111	100.00	51.00	4.00	7.00		182.465	loose	Group 2
180112*	100.00	51.00	4.00	7.00	3.80	173.342	loose	Group 2
180113	100.00	51.00	5.00	7.80		228.081	loose	Group 2
180114*	100.00	51.00	5.00	7.80	4.70	214.397	loose	Group 2
180115	100.00	51.00	6.00	8.20		273.698	loose	Group 2
180116*	100.00	51.00	6.00	8.20	5.60	255.451	loose	Group 2

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190001	100.00	51.00	7.00	9.20	6.55	298.787	loose	Group 3
180117	112.00	57.00	3.00	6.90		171.917	loose	Group 2
180118	112.00	57.00	4.00	7.20		229.222	loose	Group 2
180119*	112.00	57.00	4.00	7.20	3.75	214.896	loose	Group 2
180120	112.00	57.00	6.00	8.50		343.833	loose	Group 2
180121*	112.00	57.00	6.00	8.50	5.60	320.911	loose	Group 2
183556	125.00	41.00	4.00			343.881	loose	Group 2
180122	125.00	51.00	4.00	8.50		321.182	loose	Group 2
180123*	125.00	51.00	4.00	8.50	3.80	305.123	loose	Group 2
180124	125.00	51.00	5.00	8.90		401.478	loose	Group 2
180125*	125.00	51.00	5.00	8.90	4.75	381.404	loose	Group 2
180126	125.00	51.00	6.00	9.40		481.773	loose	Group 2
180127*	125.00	51.00	6.00	9.40	5.65	453.700	loose	Group 2
180128	125.00	61.00	5.00	9.00		366.953	loose	Group 2
180129*	125.00	61.00	5.00	9.00	4.75	348.605	loose	Group 2
180130	125.00	61.00	6.00	9.60		440.343	loose	Group 2
180131*	125.00	61.00	6.00	9.60	5.60	410.987	loose	Group 2
190002	125.00	61.00	8.00	10.90	7.50	550.429	loose	Group 3
180132	125.00	64.00	3.50	8.00		248.775	loose	Group 2
180133	125.00	64.00	5.00	8.50		355.393	loose	Group 2
180134*	125.00	64.00	5.00	8.50	4.70	334.069	loose	Group 2
180135	125.00	64.00	6.00	9.60		426.471	loose	Group 2
180136*	125.00	64.00	6.00		5.60	398.040	loose	Group 2
190003	125.00	64.00	7.00	10.00	6.55	465.564	loose	Group 3
190004	125.00	64.00	8.00	10.60	7.50	533.099	loose	Group 2
180137	125.00	71.00	6.00	9.30		391.515	loose	Group 2
180138*	125.00	71.00	6.00	9.30	5.60	365.414	loose	Group 2
190005	125.00	71.00	8.00	10.90	7.45	486.131	loose	Group 3
190280	125.00	71.00	8.00	10.40	7.45	486.131	loose	Group 3
190006	125.00	71.00	10.00	11.80	9.30	606.848	loose	Group 3
180139	140.00	72.00	3.80	8.70		337.734	loose	Group 2
180140	140.00	72.00	5.00	9.00		444.388	loose	Group 2
180141*	140.00	72.00	5.00	9.00	4.70	417.724	loose	Group 2
190007	140.00	72.00	8.00	11.20	7.50	666.581	loose	Group 3
180142	150.00	61.00	5.00	10.30		578.881	loose	Group 2
180143*	150.00	61.00	5.00	10.30	4.75	549.937	loose	Group 2
180144	150.00	61.00	6.00	10.80		694.658	loose	Group 2
180145*	150.00	61.00	6.00	10.80	5.70	659.925	loose	Group 2
190008	150.00	61.00	7.00	11.80	6.55	758.335	loose	Group 3
180146	150.00	71.00	6.00	10.85		645.829	loose	Group 2
180147*	150.00	71.00	6.00	10.85	5.60	602.774	loose	Group 2
190009	150.00	71.00	8.00	12.05	7.50	807.287	loose	Group 3
190010	150.00	81.00	8.00	12.00	7.50	737.000	loose	Group 3
190011	150.00	81.00	10.00	13.40	9.40	923.710	loose	Group 3
180148	160.00	82.00	4.30	9.90		500.409	loose	Group 2
180149*	160.00	82.00	4.30	9.90	4.15	482.953	loose	Group 2
180150	160.00	82.00	6.00	10.50		698.246	loose	Group 2
180151*	160.00	82.00	6.00	10.50	5.60	651.696	loose	Group 2
190012	160.00	82.00	10.00	13.50	9.40	1094.000	loose	Group 3
190013	160.00	82.00	11.00	14.50	10.20	1187.000	loose	Group 3
180152	180.00	92.00	4.80	11.00		708.337	loose	Group 2
180153*	180.00	92.00	4.80	11.00	4.60	678.822	loose	Group 2

Mubea Standard Disc Springs Parts List - Per Din 2093 - Material 51CrV4 with zinc phosphate and oil

Mubea P/N	O.D. (De, mm)	I.D. (De, mm)	Thickness (t,mm)	LO	Reduced Thickness (t',mm)	Weight (kg / 1000)	Pack Size	Group #
180154	180.00	92.00	6.00	11.10		885.421	loose	Group 2
180155*	180.00	92.00	6.00	11.10	5.60	826.393	loose	Group 2
190014	180.00	92.00	10.00	14.00	9.40	1387.000	loose	Group 3
190015	180.00	92.00	13.00	16.50	12.10	1786.000	loose	Group 3
190016	200.00	82.00	8.00	14.20	7.50	1539.000	loose	Group 3
190017	200.00	82.00	10.00	15.50	9.40	1928.000	loose	Group 3
190018	200.00	82.00	12.00	16.60	11.25	2308.000	loose	Group 3
190019	200.00	92.00	10.00	15.60	9.40	1828.000	loose	Group 3
190020	200.00	92.00	12.00	16.80	11.25	2187.000	loose	Group 3
190021	200.00	92.00	14.00	18.10	13.05	2537.000	loose	Group 3
180156	200.00	102.00	5.50	12.50		1004.000	loose	Group 2
180157*	200.00	102.00	5.50	12.50	5.30	967.970	loose	Group 2
190022	200.00	102.00	8.00	13.60	7.50	1368.000	loose	Group 3
190023	200.00	102.00	10.00	15.60	9.40	1716.000	loose	Group 3
190024	200.00	102.00	12.00	16.20	11.25	2053.000	loose	Group 3
190025	200.00	102.00	14.00	18.20	13.05	2381.000	loose	Group 3
190026	200.00	112.00	12.00	16.20	11.25	1904.000	loose	Group 3
190027	200.00	112.00	14.00	17.50	13.05	2209.000	loose	Group 3
190028	200.00	112.00	16.00	19.80	14.80	2505.000	loose	Group 3
190029	225.00	112.00	6.50	13.60	6.20	1455.000	loose	Group 3
190030	225.00	112.00	8.00	14.50	7.50	1761.000	loose	Group 3
190031	225.00	112.00	12.00	17.00	11.25	2641.000	loose	Group 3
190032	225.00	112.00	16.00	20.50	14.90	3498.000	loose	Group 3
190033	250.00	102.00	10.00	18.00	9.40	3019.000	loose	Group 3
190034	250.00	102.00	12.00	19.00	11.25	3613.000	loose	Group 3
190035	250.00	127.00	7.00	14.80	6.70	1915.000	loose	Group 3
190036	250.00	127.00	8.00	16.00	7.50	2144.000	loose	Group 3
190037	250.00	127.00	10.00	17.00	9.40	2687.000	loose	Group 3
190038	250.00	127.00	12.00	19.30	11.25	3216.000	loose	Group 3
190039	250.00	127.00	14.00	19.60	13.10	3745.000	loose	Group 3
190040	250.00	127.00	16.00	21.80	14.90	4260.000	loose	Group 3

Mubea North America / Disc Spring Division / 6800 Industrial Road / Florence, KY 41042

Phone: (859) 746-2155 / Fax: (859) 746-2243

email: discspringsales@mubeausa.com

www.mubea-discspring.com