



## DIE SPRINGS

*FROM STOCK \**

AN IMPERIAL RANGE \*

Covering over 30 sizes is stocked, details on the following pages.

COLOUR CODED TOOLROOM (METRIC)

Our new colour coded stock metric die springs made from the finest chrome vanadium spring steel.

DESIGNED

To give high load and greatest possible movement consistent with safety.

SHOT PEENING

Has been applied to improve the fatigue life. (Imperial range only).

When ordering it is necessary to specify the full spring reference number.

All orders subject to a Carriage Charge

Spring Number	Length Of Spring		Diameter of Hole in which Spring will work		Diameter of Rod over which Spring will work		Solid Height		Approx. Load to compress solid		Approx. Load to compress .25" 6.4mm	
	Ins.	mm	Ins.	mm	Ins.	mm	Ins.	mm	lb.	kg.	lb.	kg.
MSD 0000	1.0	25	0.75	19	0.38	9.5	0.66	17	140	64	90	41
MSD 000	1.5	38	0.75	19	0.38	9.5	0.90	23	240	109	90	41
MSD 00	2.0	51	0.75	19	0.38	9.5	1.19	31	210	95	60	27
MSD 0	2.5	64	0.75	19	0.38	9.5	1.47	38	202	91	40	18
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MSD 1A	1.5	38	1	25	0.5	13	0.88	22	288	130	85	39
MSD 1	2.0	51	1	25	0.5	13	1.13	29	260	117	60	28
MSD 2	2.5	64	1	25	0.5	13	1.44	37	295	133	50	23
MSD 3	3.0	76	1	25	0.5	13	1.69	43	265	120	40	18
.....												
MSD 4	2.0	51	1.25	32	0.63	16	1.32	34	432	196	186	84
MSD 5	2.5	64	1.25	32	0.63	16	1.59	41	440	199	115	52
MSD 6	3.0	76	1.25	32	0.63	16	1.90	48	450	204	95	43
MSD 7	3.5	89	1.25	32	0.63	16	2.25	57	550	249	80	36
MSD 8	4.0	102	1.25	32	0.63	16	2.50	64	458	207	70	32
MSD 9	4.5	115	1.25	32	0.63	16	2.84	73	442	200	60	28
MSD 10	5.0	128	1.25	32	0.63	16	3.19	81	420	190	55	25
MSD 11	5.5	140	1.25	32	0.63	16	3.41	87	480	217	50	23
MSD 12	6.0	153	1.25	32	0.63	16	3.75	95	450	204	45	20
.....												
MSD 13	2.0	51	1.5	38	0.75	19	1.22	31	630	285	170	78
MSD 14	2.5	64	1.5	38	0.75	19	1.53	39	665	301	140	64
MSD 15	3.0	76	1.5	38	0.75	19	1.84	47	750	340	120	55
MSD 16	3.5	89	1.5	38	0.75	19	2.13	54	690	312	100	46
MSD 17	4.0	102	1.5	38	0.75	19	2.34	60	775	351	90	41
MSD 18	4.5	115	1.5	38	0.75	19	2.78	71	595	269	80	36
MSD 19	5.0	128	1.5	38	0.75	19	3.06	73	587	266	70	32
MSD 20	5.5	140	1.5	38	0.75	19	3.25	83	640	290	60	28
MSD 21	6.0	153	1.5	38	0.75	19	3.50	89	658	298	55	25

Spring Number	Length Of Spring		Diameter of Hole in which Spring will work		Diameter of Rod over which Spring will work		Solid Height		Approx. Load to compress solid		Approx. Load to compress .25" 6.4mm	
	Ins.	mm	Ins.	mm	Ins.	mm	Ins.	mm	lb.	kg.	lb.	kg.
MSD 22	3	76	2	51	1	25	1.75	45	970	439	160	78
MSD 23	4	102	2	51	1	25	2.32	59	965	437	120	55
MSD 24	5	128	2	51	1	25	2.84	73	970	439	90	41
MSD 25	6	153	2	51	1	25	3.38	76	1120	508	90	41
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MSD 01	3.0	76	0.75	19	0.38	9.5	1.66	42	180	82	32	15
MSD 02	3.5	89	0.75	19	0.38	9.5	1.84	47	180	82	28	13
MSD 03	4.0	102	0.75	19	0.38	9.5	2.22	56	180	82	25	11
MSD 04	4.5	115	0.75	19	0.38	9.5	2.44	62	180	82	22	10
MSD 05	5.0	128	0.75	19	0.38	9.5	2.78	71	180	82	20	9
MSD 06	5.5	140	0.75	19	0.38	9.5	2.99	75	180	82	18	8
MSD 07	6.0	153	0.75	19	0.38	9.5	3.09	78	180	82	16	7.3
.....												
MSD B1	1.0	25	1	25	0.5	13	0.63	16	300	136	140	64
MSD B2	3.5	89	1	25	0.5	13	1.94	49	300	136	40	18
MSD B3	4.0	102	1	25	0.5	13	2.16	55	300	136	35	16
MSD B4	4.5	115	1	25	0.5	13	2.31	59	300	136	31	14
MSD B5	5.0	128	1	25	0.5	13	2.59	66	300	136	28	13
MSD B6	5.5	140	1	25	0.5	13	2.84	72	300	136	25	11
MSD B7	6.0	153	1	25	0.5	13	3.06	78	300	136	22	10
MSD B8	8.0	204	1	25	0.5	13	4.19	106	300	136	16	7.3
.....												
MSD C1	1.0	25	1.13	28.6	0.56	14.5	0.72	18	426	194	380	172
MSD C2	1.5	38	1.13	28.6	0.56	14.5	1.03	26	540	245	270	127
MSD C3	2.0	51	1.13	28.6	0.56	14.5	1.25	32	560	246	186	84

Spring Number	Length Of Spring		Diameter of Hole in which Spring will work		Diameter of Rod over which Spring will work		Solid Height		Approx. Load to compress solid		Approx. Load to compress .25" 6.4mm	
	Ins.	mm	Ins.	mm	Ins.	mm	Ins.	mm	lb.	kg.	lb.	kg.
<b>MSD C4</b>	2.5	51	1.13	28.6	0.56	14.5	6.50	38	575	261	150	68
<b>MSD C5</b>	3.0	76	1.13	28.6	0.56	14.5	1.80	46	575	261	120	55
<b>MSD C6</b>	3.5	89	1.13	28.6	0.56	14.5	2.03	52	575	261	95	43
<b>MSD C7</b>	4.0	102	1.13	28.6	0.56	14.5	2.34	59	575	261	82	37
<b>MSD C8</b>	4.5	115	1.13	28.6	0.56	14.5	2.63	67	575	261	78	35
<b>MSD C9</b>	5.0	128	1.13	28.6	0.56	14.5	3.00	76	575	261	66	30
<b>MSD C10</b>	5.5	140	1.13	28.6	0.56	14.5	3.31	84	575	261	62	28
<b>MSD C11</b>	6.0	153	1.13	28.6	0.56	14.5	3.50	89	575	261	57	26
.....												
<b>MSD D1</b>	1.0	25	1.25	32	0.63	16	0.69	18	409	182	320	145
<b>MSD D2</b>	1.5	38	1.25	32	0.63	16	1.00	25	409	182	210	95
.....												
<b>MSD E1</b>	1.0	25	1.5	38	0.75	19	0.78	20	600	272	450	204
<b>MSD E2</b>	1.5	38	1.5	38	0.75	19	1.06	27	600	272	300	136
.....												
<b>MSD G1</b>	2.0	51	2	51	1	25	1.19	30	800	364	323	147
<b>MSD G2</b>	8.0	203	2	51	1	25	4.63	118	800	364	58	26
<b>MSD G3</b>	9.0	229	2	51	1	25	5.00	127	800	364	50	23
1 3/4 OD Sizes available on application												