

# Red Series Springs



RECTANGULAR WIRE DIE SPRINGS AS PER ISO 10243 RED COLOR HEAVY LOAD SPRINGS

D <sub>H</sub>		D <sub>d</sub>		L <sub>0</sub>	RATE	20 %		25 %		30 %		Closed Length	
b x h													
mm	mm	mm	N / mm	mm	N	mm	N	mm	N	mm	N	mm	N
10	5	25	22.1	5.0	111	6.3	139	7.5	166	9.2	203		
		32	17.5	6.4	112	8.0	140	9.6	168	12.1	212		
		38	17.1	7.6	130	9.5	162	11.4	195	13.2	226		
		44	15.0	8.8	132	11.0	165	13.2	198	15.1	227		
		51	12.8	10.2	131	12.8	164	15.3	196	19.5	250		
		64	10.7	12.8	137	16.0	171	19.2	205	21.8	233		
		76	7.5	15.2	114	19.0	143	22.8	171	27.9	209		
1.9 x 1.5		305	2.1	61.0	128	76.3	160	91.5	192	127.2	267		
12.5	6.3	25	42.1	5.0	211	6.3	265	7.5	316	9.8	413		
		32	33.2	6.4	212	8.0	266	9.6	319	13.6	452		
		38	29.3	7.6	223	9.5	278	11.4	334	14.6	428		
		44	24.6	8.8	216	11.0	271	13.2	325	18.1	445		
		51	19.6	10.2	200	12.8	251	15.3	300	22.3	437		
		64	15.0	12.8	192	16.0	240	19.2	288	27.3	410		
		76	13.2	15.2	201	19.0	251	22.8	301	33.1	437		
		89	11.4	17.8	203	22.3	254	26.7	304	38.9	443		
		102	8.4	20.4	171	25.5	214	30.6	257	43.8	368		
2.4 x 1.9		305	2.8	61.0	171	76.3	214	91.5	256	139.7	391		
16	8	25	75.7	5.0	379	6.3	477	7.5	568	8.4	636		
		32	52.8	6.4	338	8.0	422	9.6	507	1.05	554		
		38	48.5	7.6	369	9.5	461	11.4	553	13.6	660		
		44	42.8	8.8	377	11.0	471	13.2	565	15.9	681		
		51	37.1	10.2	378	12.8	475	15.3	568	18.9	701		
		64	30.3	12.8	388	16.0	485	19.2	582	24.9	754		
		76	25.7	15.2	391	19.0	488	22.8	586	29.2	750		
		89	21.7	17.8	386	22.3	484	26.7	579	34.5	749		
		102	19.3	20.4	394	25.5	492	30.6	591	39.1	755		
		115	15.7	23.0	361	28.8	452	34.5	542	44.0	691		
3.1 x 2.5		305	7.1	61.0	433	76.3	542	91.5	650	103.6	736		
20	10	25	216	5.0	1080	6.3	1361	7.5	1620	8.3	1793		
		32	168	6.4	1075	8.0	1344	9.6	1613	10.9	1831		
		38	129	7.6	980	9.5	1226	11.4	1471	12.5	1613		
		44	112	8.8	986	11.0	1232	13.2	1478	15.0	1680		
		51	94.0	10.2	959	12.8	1203	15.3	1438	17.6	1654		
		64	72.1	12.8	923	16.0	1154	19.2	1384	22.6	1629		
		76	59.7	15.2	907	19.0	1134	22.8	1361	27.5	1642		
		89	50.5	17.8	899	22.3	1126	26.7	1348	31.7	1601		
		102	44.2	20.4	902	25.5	1127	30.6	1353	37.5	1658		

**BRAHMADEVI ENGINEERING PRODUCTS**

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		115	38.4	23.0	883	28.8	1106	34.5	1325	42.6	1636
		127	34.1	25.4	866	31.8	1084	38.1	1299	45.5	1552
		139	31.0	28.0	868	35.0	1085	42.0	1302	50.1	1553
		152	28.2	30.4	857	38.0	1072	45.6	1286	55.8	1574
4.0 x 3.3		305	15.0	61.0	915	76.3	1145	91.5	1373	114.1	1712
25	12.5	25	375	5.0	1875	6.3	2363	7.5	2813	8.5	3188
		32	297	6.4	1901	8.0	2376	9.6	2851	11.0	3267
		38	219	7.6	1664	9.5	2081	11.4	2497	12.6	2759
		44	187	8.8	1646	11.0	2057	13.2	2468	14.8	2768
		51	156	10.2	1591	12.8	1997	15.3	2387	17.9	2792
		64	123	12.8	1574	16.0	1968	19.2	2362	23.1	2841
		76	99.0	15.2	1505	19.0	1881	22.8	2257	26.3	2604
		89	84.0	17.8	1495	22.3	1873	26.7	2243	30.5	2562
		102	73.0	20.4	1489	25.5	1862	30.6	2234	37.3	2723
		115	65.0	23.0	1495	28.8	1872	34.5	2243	41.9	2724
		127	57.7	25.4	1466	31.8	1835	38.1	2198	46.2	2666
		139	52.7	28.0	1476	35.0	1845	42.0	2213	49.3	2598
		152	47.8	30.4	1453	38.0	1816	45.6	2180	55.7	2662
		178	41.0	35.6	1460	44.5	1825	53.4	2189	65.1	2669
203	35.8	40.6	1453	50.8	1819	60.9	2180	74.5	2667		
5.5 x 4.2		305	22.9	61.0	1397	76.3	1747	91.5	2095	110.2	2524
32	16	38	388	7.6	2949	9.5	3686	11.4	4423	12.5	4850
		44	324	8.8	2851	11.0	3564	13.2	4277	14.9	4828
		51	272	10.2	2774	12.8	3482	15.3	4162	17.8	4842
		64	212	12.8	2714	16.0	3392	19.2	4070	22.4	4749
		76	172	15.2	2614	19.0	3268	22.8	3922	26.1	4489
		89	141	17.8	2510	22.3	3144	26.7	3765	30.8	4343
		102	122	20.4	2489	25.5	3111	30.6	3733	36.8	4490
		115	107	23.0	2461	28.8	3082	34.5	3692	41.4	4430
		127	93.0	25.4	2362	31.8	2957	38.1	3543	44.4	4129
		139	86.0	28.0	2408	35.0	3010	42.0	3612	48.5	4171
		152	78.0	30.4	2371	38.0	2964	45.6	3557	54.8	4274
		178	67.2	35.6	2392	44.5	2990	53.4	3588	63.6	4274
		203	59.1	40.6	2399	50.8	3002	60.9	3599	72.5	4285
		254	46.4	50.8	2357	63.5	2946	76.2	3536	92.8	4306
7.1 x 5.4		305	38.0	61.0	2318	76.3	2899	91.5	3477	111.8	4248
40	20	51	350	10.2	3570	12.8	4480	15.3	5355	17.0	5950
		64	269	12.8	3443	16.0	4304	19.2	5165	21.9	5891
		76	219	15.2	3329	19.0	4161	22.8	4993	26.7	5847
		89	190	17.8	3382	22.3	4237	26.7	5073	31.3	5947
		102	163	20.4	3325	25.5	4157	30.6	4988	37.1	6047
		115	142	23.0	3266	28.8	4090	34.5	4899	41.0	5822
		127	128	25.4	3251	31.8	4070	38.1	4877	46.5	5952
		139	115	28.0	3220	35.0	4025	42.0	4830	53.1	6107
		152	105	30.4	3192	38.0	3990	45.6	4788	56.1	5891

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		178	89	35.6	3168	44.5	3961	53.4	4753	67.4	5999
		203	77	40.6	3126	50.8	3912	60.9	4689	76.2	5867
		254	61	50.8	3099	63.5	3874	76.2	4648	96.2	5868
8.4 x 6.2		305	51	61.0	3111	76.3	3891	91.5	4667	114.8	5855
50	25	64	413	12.8	5286	16.0	6608	19.2	7930	22.4	9251
		76	339	15.2	5153	19.0	6441	22.8	7729	26.5	8984
		89	288	17.8	5126	22.3	6422	26.7	7690	31.5	9072
		102	245	20.4	4998	25.5	6248	30.6	7497	37.6	9212
		115	215	23.0	4877	28.8	6192	34.5	7418	42.7	9181
		127	192	25.4	4704	31.8	6106	38.1	7315	47.5	9120
		139	168	28.0	4682	35.0	5880	42.0	7056	51.8	8702
		152	154	30.4	4770	38.0	5852	45.6	7022	57.8	8901
		178	134	35.6	4770	44.5	5963	53.4	7156	68.5	9179
		203	117	40.6	4750	50.8	5944	60.9	7125	77.6	9079
		254	89	50.8	4521	63.5	5652	76.2	6782	97.9	8713
11.1 x 7.6		305	73	61.0	4453	76.3	5570	91.5	6680	120.7	8811
63	38	76	618	15.2	9394	19.0	11742	22.8	14090	24.7	15265
		89	515	17.8	9167	22.3	11485	26.7	13751	30.0	15450
		102	438	20.4	8935	25.5	11169	30.6	13403	35.1	15374
		115	370	23.0	8510	28.8	10656	34.5	12765	37.5	13875
		127	333	25.4	8458	31.8	10589	38.1	12687	45.9	15285
		152	269	28.0	8178	35.0	10222	42.0	12266	56.5	15199
		178	226	35.6	8046	44.5	10057	45.6	12068	66.8	15097
		203	198	40.6	8039	50.8	10058	53.4	12058	78.8	15602
		254	155	50.8	7874	63.5	9843	60.9	11811	101.7	15763
11.6 x 12.3		305	128	61.0	7808	76.3	9766	91.5	11712	122.4	15667

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