



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product – Disc Spring Standard material C75S & 51CrV4

Series	Dimensions						0.25 ho		0.50 ho		0.75 ho	
	D _e (mm)	D _i (mm)	t (mm)	l _o (mm)	t' (mm)	Group	F (N)	S (mm)	F (N)	S (mm)	F (N)	S (mm)
A	16.0	8.2	0.70	1.15	-	1	254	0.113	461	0.225	637	0.338
	16.0	8.2	0.80	1.20	-	1	308	0.100	579	0.200	825	0.300
	16.0	8.2	0.90	1.25	-	1	363	0.088	697	0.175	1013	0.263
	18.0	6.2	0.40	1.00	-	1	85	0.150	126	0.300	139	0.450
	18.0	6.2	0.50	1.10	-	1	130	0.150	206	0.300	246	0.450
	18.0	6.2	0.60	1.20	-	1	191	0.150	317	0.300	400	0.450
	18.0	6.2	0.70	1.25	-	1	236	0.138	414	0.275	553	0.413
	18.0	6.2	0.80	1.30	-	1	286	0.125	523	0.250	726	0.375
	18.0	6.2	0.90	1.40	-	1	341	0.113	637	0.225	825	0.300
C	18.0	8.2	0.50	1.10	-	1	140	0.150	222	0.300	265	0.450
	18.0	8.2	0.70	1.25	-	1	255	0.138	446	0.275	596	0.413
	18.0	8.2	0.80	1.30	-	1	309	0.125	564	0.250	783	0.375
	18.0	8.2	1.00	1.40	-	1	425	0.100	815	0.200	1181	0.300
B	18.0	9.2	0.45	1.05	-	1	121	0.150	186	0.300	214	0.450
	18.0	9.2	0.70	1.20	-	1	233	0.125	417	0.250	566	0.375
A	18.0	9.2	1.00	1.40	-	1	451	0.100	865	0.200	1254	0.300
	20.0	8.2	0.50	1.15	-	1	127	0.163	200	0.325	231	0.490
	20.0	8.2	0.60	1.30	-	1	214	0.175	342	0.350	412	0.525
	20.0	8.2	0.70	1.35	-	1	262	0.163	442	0.325	569	0.488
	20.0	8.2	0.80	1.40	-	1	315	0.150	557	0.300	751	0.450
	20.0	8.2	0.90	1.45	-	1	374	0.138	685	0.275	954	0.413
	20.0	8.2	1.00	1.55	-	1	494	0.138	918	0.275	1295	0.413
C	20.0	10.2	0.40	0.90	-	1	55	0.130	84	0.250	99	0.380
	20.0	10.2	0.50	1.15	-	1	141	0.163	219	0.325	254	0.488
B	20.0	10.2	0.80	1.35	-	1	304	0.138	547	0.275	748	0.413
	20.0	10.2	0.90	1.45	-	1	412	0.138	754	0.275	1050	0.413
A	20.0	10.2	1.00	1.55	-	1	544	0.138	1010	0.275	1425	0.413
	20.0	10.2	1.10	1.55	-	1	548	0.113	1050	0.225	1521	0.338
	20.0	10.2	1.25	1.75	-	1	890	0.125	1708	0.250	2477	0.375
	20.0	10.2	1.50	1.80	-	2	857	0.075	1695	0.150	2521	0.225
C	22.5	11.2	0.60	1.40	-	1	241	0.200	370	0.400	426	0.600
	22.5	11.2	0.80	1.45	-	1	306	0.163	533	0.325	708	0.488
A	22.5	11.2	1.25	1.75	-	2	693	0.125	1330	0.250	1929	0.375
	23.0	8.2	0.70	1.50	-	1	280	0.200	448	0.400	544	0.600
	23.0	8.2	0.80	1.55	-	1	332	0.188	560	0.375	719	0.563
	23.0	8.2	0.90	1.60	-	1	391	0.175	687	0.350	919	0.525
	23.0	8.2	1.00	1.70	-	1	507	0.175	909	0.350	1240	0.525
	23.0	10.2	0.90	1.65	-	1	463	0.188	802	0.375	1058	0.563
	23.0	10.2	1.00	1.70	-	1	538	0.175	964	0.350	1315	0.525
	23.0	10.2	1.25	1.90	-	2	870	0.163	1627	0.325	2310	0.488
	23.0	12.2	1.00	1.60	-	1	475	0.150	872	0.300	1217	0.450
	23.0	12.2	1.25	1.85	-	2	864	0.150	1630	0.300	2331	0.450
	23.0	12.2	1.50	2.00	-	2	1159	0.125	2250	0.250	3297	0.375
C	25.0	10.2	1.00	1.75	-	1	492	0.188	870	0.375	1172	0.563
	25.0	12.2	0.70	1.60	-	1	331	0.225	515	0.450	600	0.675
	25.0	12.2	0.90	1.60	-	1	367	0.175	644	0.350	862	0.525
B	25.0	12.2	1.00	1.80	-	1	585	0.200	1021	0.400	1359	0.600



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product - Disc Spring Standard material C75S & 51CrV4

Series	Dimensions											
	D _e (mm)	D _i (mm)	t (mm)	l _o (mm)	t' (mm)	Group	0.25 ho		0.50 ho		0.75 ho	
							F (N)	S (mm)	F (N)	S (mm)	F (N)	S (mm)
A	16.0	8.2	0.70	1.15	-	1	254	0.113	461	0.225	637	0.338
	16.0	8.2	0.80	1.20	-	1	308	0.100	579	0.200	825	0.300
	16.0	8.2	0.90	1.25	-	1	363	0.088	697	0.175	1013	0.263
	18.0	6.2	0.40	1.00	-	1	85	0.150	126	0.300	139	0.450
	18.0	6.2	0.50	1.10	-	1	130	0.150	206	0.300	246	0.450
	18.0	6.2	0.60	1.20	-	1	191	0.150	317	0.300	400	0.450
	18.0	6.2	0.70	1.25	-	1	236	0.138	414	0.275	553	0.413
	18.0	6.2	0.80	1.30	-	1	286	0.125	523	0.250	726	0.375
	18.0	6.2	0.90	1.35	-	1	336	0.113	632	0.225	885	0.338
C	18.0	8.2	0.50	1.10	-	1	140	0.150	222	0.300	265	0.450
	18.0	8.2	0.70	1.25	-	1	255	0.138	446	0.275	596	0.413
	18.0	8.2	0.80	1.30	-	1	309	0.125	564	0.250	783	0.375
	18.0	8.2	1.00	1.40	-	1	425	0.100	815	0.200	1181	0.300
	18.0	9.2	0.45	1.05	-	1	121	0.150	186	0.300	214	0.450
	18.0	9.2	0.70	1.20	-	1	233	0.125	417	0.250	566	0.375
	18.0	9.2	1.00	1.40	-	1	451	0.100	865	0.200	1254	0.300
	20.0	8.2	0.50	1.15	-	1	127	0.163	200	0.325	231	0.490
	20.0	8.2	0.60	1.30	-	1	214	0.175	342	0.350	412	0.525
20.0	8.2	0.70	1.35	-	1	262	0.163	442	0.325	569	0.488	
20.0	8.2	0.80	1.40	-	1	315	0.150	557	0.300	751	0.450	
20.0	8.2	0.90	1.45	-	1	374	0.138	685	0.275	954	0.413	
20.0	8.2	1.00	1.55	-	1	494	0.138	918	0.275	1295	0.413	
C	20.0	10.2	0.40	0.90	-	1	55	0.130	84	0.250	99	0.380
	20.0	10.2	0.50	1.15	-	1	141	0.163	219	0.325	254	0.488
	20.0	10.2	0.80	1.35	-	1	304	0.138	547	0.275	748	0.413
	20.0	10.2	0.90	1.45	-	1	412	0.138	754	0.275	1050	0.413
	20.0	10.2	1.00	1.55	-	1	544	0.138	1010	0.275	1425	0.413
	20.0	10.2	1.10	1.55	-	1	548	0.113	1050	0.225	1521	0.338
	20.0	10.2	1.25	1.75	-	1	890	0.125	1708	0.250	2477	0.375
	20.0	10.2	1.50	1.80	-	2	857	0.075	1695	0.150	2521	0.225
	22.5	11.2	0.60	1.40	-	1	241	0.200	370	0.400	426	0.600
22.5	11.2	0.80	1.45	-	1	306	0.163	533	0.325	708	0.488	
22.5	11.2	1.25	1.75	-	2	693	0.125	1330	0.250	1929	0.375	
C	23.0	8.2	0.70	1.50	-	1	280	0.200	448	0.400	544	0.600
	23.0	8.2	0.80	1.55	-	1	332	0.188	560	0.375	719	0.563
	23.0	8.2	0.90	1.60	-	1	391	0.175	687	0.350	919	0.525
	23.0	8.2	1.00	1.70	-	1	507	0.175	909	0.350	1240	0.525
	23.0	10.2	0.90	1.65	-	1	463	0.188	802	0.375	1058	0.563
	23.0	10.2	1.00	1.70	-	1	538	0.175	964	0.350	1315	0.525
	23.0	10.2	1.25	1.90	-	2	870	0.163	1627	0.325	2310	0.488
	23.0	12.2	1.00	1.60	-	1	475	0.150	872	0.300	1217	0.450
	23.0	12.2	1.25	1.85	-	2	864	0.150	1630	0.300	2331	0.450
23.0	12.2	1.50	2.00	-	2	1159	0.125	2250	0.250	3297	0.375	
C	25.0	10.2	1.00	1.75	-	1	492	0.188	870	0.375	1172	0.563
	25.0	12.2	0.70	1.60	-	1	331	0.225	515	0.450	600	0.675
	25.0	12.2	0.90	1.60	-	1	367	0.175	644	0.350	862	0.525
	25.0	12.2	1.00	1.80	-	1	585	0.200	1021	0.400	1359	0.600



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product - Disc Spring Standard material C75S & 51CrV4

Dimensions											
D _e (mm)	D _i (mm)	t (mm)	l _o (mm)	t' (mm)	Group	0.25 ho		0.50 ho		0.75 ho	
						F (N)	S (mm)	F (N)	S (mm)	F (N)	S (mm)
25.0	12.2	1.25	1.95	-	2	848	0.175	1573	0.350	2214	0.525
25.0	12.2	1.50	2.05	-	2	1040	0.138	2007	0.275	2926	0.413
28.0	10.2	0.80	1.75	-	1	348	0.238	553	0.475	662	0.713
28.0	10.2	1.00	1.90	-	1	512	0.225	872	0.450	1130	0.675
28.0	10.2	1.25	2.05	-	2	737	0.200	1339	0.400	1853	0.600
28.0	10.2	1.50	2.20	-	2	1003	0.175	1899	0.350	2723	0.525
28.0	12.2	1.00	1.95	-	1	590	0.238	992	0.475	1268	0.713
28.0	12.2	1.25	2.10	-	2	844	0.213	1519	0.425	2083	0.638
28.0	12.2	1.50	2.25	-	2	1149	0.188	2159	0.375	3077	0.563
28.0	14.2	0.80	1.80	-	1	435	0.250	681	0.500	801	0.750
28.0	14.2	1.00	1.80	-	1	476	0.200	832	0.400	1107	0.600
28.0	14.2	1.25	2.10	-	2	907	0.213	1634	0.425	2240	0.638
28.0	14.2	1.50	2.15	-	2	1033	0.163	1970	0.325	2841	0.488
31.5	12.2	1.00	2.10	-	1	587	0.275	951	0.550	1167	0.825
31.5	12.2	1.25	2.20	-	2	761	0.238	1343	0.475	1805	0.713
31.5	12.2	1.50	2.35	-	2	1033	0.213	1912	0.425	2688	0.638
31.5	16.3	0.80	1.85	-	1	384	0.263	594	0.525	687	0.788
31.5	16.3	1.25	2.15	-	2	791	0.225	1409	0.450	1913	0.675
31.5	16.3	1.50	2.40	-	2	1260	0.225	2314	0.450	3230	0.675
31.5	16.3	1.75	2.45	-	2	1391	0.175	2669	0.350	3871	0.525
31.5	16.3	2.00	2.75	-	2	2199	0.188	4239	0.375	6173	0.563
34.0	12.3	1.00	2.25	-	1	637	0.313	998	0.625	1174	0.938
34.0	12.3	1.25	2.35	-	2	815	0.275	1395	0.550	1818	0.825
34.0	12.3	1.50	2.50	-	2	1097	0.250	1982	0.500	2725	0.750
34.0	14.3	1.25	2.40	-	2	913	0.288	1546	0.575	1993	0.863
34.0	14.3	1.50	2.55	-	2	1224	0.263	2192	0.525	2990	0.788
34.0	16.3	1.50	2.55	-	2	1291	0.263	2313	0.525	3155	0.788
34.0	16.3	2.00	2.85	-	2	2097	0.213	4003	0.425	5783	0.638
35.5	18.3	0.90	2.05	-	1	458	0.288	712	0.575	832	0.863
35.5	18.3	1.25	2.25	-	2	731	0.250	1277	0.500	1699	0.750
35.5	18.3	2.00	2.80	-	2	1864	0.200	3576	0.400	5187	0.600
40.0	14.3	1.25	2.65	-	2	904	0.350	1459	0.700	1780	1.050
40.0	14.3	1.50	2.75	-	2	1114	0.313	1929	0.625	2545	0.938
40.0	14.3	2.00	3.05	-	2	1800	0.263	3363	0.525	4769	0.788
40.0	16.3	1.50	2.80	-	2	1224	0.325	2102	0.650	2749	0.975
40.0	16.3	2.00	3.10	-	2	1972	0.275	3663	0.550	5169	0.825
40.0	18.3	2.00	3.15	-	2	2182	0.288	4030	0.575	5656	0.863
40.0	20.4	1.00	2.30	-	1	565	0.325	876	0.650	1017	0.975
40.0	20.4	1.50	2.65	-	2	1109	0.288	1953	0.575	2621	0.863
40.0	20.4	2.00	3.10	-	2	2175	0.275	4041	0.550	5701	0.825
40.0	20.4	2.25	3.15	-	2	2336	0.225	4481	0.450	6500	0.675
40.0	20.4	2.50	3.45	-	2	3351	0.238	6453	0.475	9390	0.713
45.0	22.4	1.25	2.85	-	2	1041	0.400	1620	0.800	1891	1.200



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product - Disc Spring Standard material C75S & 51CrV4

Series	Dimensions						0.25 ho		0.50 ho		0.75 ho	
	D _e (mm)	D _i (mm)	t (mm)	l _o (mm)	t' (mm)	Group	F (N)	S (mm)	F (N)	S (mm)	F (N)	S (mm)
	B	45.0	22.4	1.75	3.05	-	2	1524	0.325	2701	0.650	3646
A	45.0	22.4	2.50	3.50	-	2	2773	0.250	5320	0.500	7716	0.750
	50.0	18.4	1.25	2.85	-	2	757	0.400	1178	0.800	1375	1.200
	50.0	18.4	1.50	3.30	-	2	1379	0.450	2184	0.900	2606	1.350
	50.0	18.4	2.00	3.50	-	2	1918	0.375	3392	0.750	4572	1.125
	50.0	18.4	2.50	4.10	-	2	3703	0.400	6733	0.800	9315	1.200
	50.0	18.4	3.00	4.40	-	2	5043	0.350	9546	0.700	13688	1.050
	50.0	20.4	2.00	3.50	-	2	1966	0.375	3478	0.750	4687	1.125
	50.0	20.4	2.50	3.85	-	2	3008	0.338	5601	0.675	7919	1.013
	50.0	22.4	2.00	3.60	-	2	2247	0.400	3924	0.800	5222	1.200
	50.0	22.4	2.50	3.90	-	2	3261	0.350	6044	0.700	8510	1.050
C	50.0	25.4	1.25	2.85	-	2	854	0.400	1328	0.800	1550	1.200
	50.0	25.4	1.50	3.10	-	2	1242	0.400	2028	0.800	2512	1.200
B	50.0	25.4	2.00	3.40	-	2	1949	0.350	3491	0.700	4762	1.050
	50.0	25.4	2.25	3.75	-	2	2940	0.380	5249	0.750	7241	1.130
	50.0	25.4	2.50	3.90	-	2	3473	0.350	6437	0.700	9063	1.050
A	50.0	25.4	3.00	4.10	-	2	4255	0.275	8214	0.550	11976	0.825
C	56.0	28.5	1.50	3.45	-	2	1458	0.488	2259	0.975	2622	1.463
B	56.0	28.5	2.00	3.60	-	2	1910	0.400	3335	0.800	4438	1.200
	56.0	28.5	2.50	4.20	-	2	3676	0.430	6550	0.850	9004	1.280
A	56.0	28.5	3.00	4.30	-	2	4142	0.325	7895	0.650	11388	0.975
	60.0	20.5	2.00	4.10	-	2	2318	0.525	3802	1.050	4730	1.575
	60.0	20.5	2.50	4.30	-	2	3018	0.450	5379	0.900	7302	1.350
	60.0	20.5	3.00	4.70	-	2	4449	0.425	8234	0.850	11577	1.275
	60.0	25.5	2.50	4.40	-	2	3447	0.475	6081	0.950	8175	1.425
	60.0	25.5	3.00	4.65	-	2	4495	0.413	8352	0.825	11784	1.238
	60.0	30.5	2.50	4.30	-	2	3447	0.450	6145	0.900	8342	1.350
	60.0	30.5	2.75	4.75	-	2	5125	0.500	9117	1.000	12360	1.500
	60.0	30.5	3.00	4.70	-	2	5083	0.425	9407	0.850	13226	1.275
	60.0	30.5	3.50	5.00	-	2	6591	0.375	12574	0.750	18153	1.125
C	63.0	31.0	1.80	4.15	-	2	2364	0.588	3658	1.175	4238	1.763
B	63.0	31.0	2.50	4.25	-	2	2942	0.438	5270	0.875	7189	1.313
	63.0	31.0	3.00	4.80	-	2	4891	0.450	8981	0.900	12536	1.350
	63.0	31.0	3.50	4.90	-	2	5399	0.350	10359	0.700	15025	1.050
A	63.0	35.5	3.50	5.00	-	2	6443	0.375	12293	0.750	17746	1.125
	70.0	25.5	2.00	4.50	-	2	2408	0.625	3771	1.250	4437	1.875
	70.0	30.5	2.50	4.90	-	2	3755	0.600	6297	1.200	8031	1.800
	70.0	30.5	3.00	5.10	-	2	4676	0.525	8376	1.050	11426	1.575
	70.0	35.5	3.00	5.10	-	2	5028	0.525	9007	1.050	12287	1.575
	70.0	35.5	3.50	5.30	-	2	6077	0.450	11380	0.900	16180	1.350
	70.0	35.5	4.00	5.80	-	2	8757	0.450	16634	0.900	23923	1.350
	70.0	35.5	4.00	5.80	3.75	2	9167	0.450	17020	0.900	23920	1.350
	70.0	40.5	4.00	5.60	-	2	8391	0.400	16099	0.800	23351	1.200
	70.0	40.5	4.00	5.60	3.75	2	8739	0.400	16430	0.800	23350	1.200
	70.0	40.5	5.00	6.20	-	2	11544	0.300	22728	0.600	33672	0.900



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product - Disc Spring Standard material C75S & 51CrV4

Series	Dimensions											
	D _e (mm)	D _i (mm)	t (mm)	l _o (mm)	t' (mm)	Group	0.25 ho		0.50 ho		0.75 ho	
							F (N)	S (mm)	F (N)	S (mm)	F (N)	S (mm)
	70.0	40.5	5.00	6.20	4.60	2	11900	0.300	23070	0.600	33672	0.900
C	71.0	36.0	2.00	4.60	-	2	2861	0.650	4432	1.300	5144	1.950
B	71.0	36.0	2.50	4.50	-	2	2894	0.500	5054	1.000	6725	1.500
A	71.0	36.0	4.00	5.60	-	2	7379	0.400	14157	0.800	20535	1.200
	71.0	36.0	4.00	5.60	3.75	2	7685	0.400	14440	0.800	20530	1.200
	80.0	31.0	2.50	5.30	-	2	3678	0.700	5933	1.400	7239	2.100
	80.0	31.0	3.00	5.50	-	2	4531	0.625	7847	1.250	10352	1.875
	80.0	31.0	4.00	6.10	-	2	7319	0.525	13677	1.050	19394	1.575
	80.0	31.0	4.00	6.10	3.75	2	7783	0.525	14050	1.050	19440	1.580
	80.0	36.0	3.00	5.70	-	2	5401	0.675	9196	1.350	11919	2.025
	80.0	36.0	4.00	6.20	-	2	8163	0.550	15168	1.100	21400	1.650
	80.0	36.0	4.00	6.20	3.75	2	8626	0.550	15600	1.100	21400	1.650
C	80.0	41.0	2.25	5.20	-	2	3698	0.738	5715	1.475	6613	2.213
B	80.0	41.0	3.00	5.30	-	2	4450	0.575	7838	1.150	10518	1.725
	80.0	41.0	4.00	6.20	-	2	8726	0.550	16213	1.100	22874	1.650
	80.0	41.0	4.00	6.20	3.75	2	9220	0.550	16670	1.100	22874	1.650
A	80.0	41.0	5.00	6.70	-	2	11821	0.425	22928	0.850	33559	1.275
	80.0	41.0	5.00	6.70	4.70	2	12350	0.425	23300	0.850	33682	1.280
C	90.0	46.0	2.50	5.70	-	2	4232	0.800	6585	1.600	7684	2.400
B	90.0	46.0	3.50	6.00	-	2	5836	0.625	10416	1.250	14161	1.875
A	90.0	46.0	5.00	7.00	-	2	11267	0.500	21617	1.000	31354	1.500
	90.0	46.0	5.00	7.00	4.70	2	11710	0.500	22040	1.000	31354	1.500
	100.0	41.0	4.00	7.20	-	2	8714	0.800	15219	1.600	20251	2.400
	100.0	41.0	4.00	7.20	3.75	2	9345	0.800	15800	1.600	20251	2.400
	100.0	41.0	5.00	7.75	-	2	12345	0.688	22937	1.375	32361	2.063
	100.0	41.0	5.00	7.75	4.75	2	12940	0.688	23520	1.375	32328	2.060
C	100.0	51.0	2.70	6.20	-	2	4779	0.875	7410	1.750	8609	2.625
B	100.0	51.0	3.50	6.30	-	2	5624	0.700	9823	1.400	13070	2.100
	100.0	51.0	4.00	7.00	-	2	8673	0.750	15341	1.500	20674	2.250
	100.0	51.0	4.00	7.00	3.75	2	9282	0.750	15910	1.500	20674	2.250
	100.0	51.0	5.00	7.80	-	2	13924	0.700	25810	1.400	36339	2.100
	100.0	51.0	5.00	7.80	4.75	2	14550	0.700	26400	1.400	36340	2.100
A	100.0	51.0	6.00	8.20	-	2	17061	0.550	32937	1.100	48022	1.650
	100.0	51.0	6.00	8.20	5.60	2	17750	0.550	33590	1.100	48020	1.650
C	112.0	57.0	3.00	6.90	-	2	5834	0.975	9038	1.950	10489	2.925
B	112.0	57.0	4.00	7.20	-	2	7639	0.800	13341	1.600	17752	2.400
	112.0	57.0	4.00	7.20	3.75	2	8192	0.800	13850	1.600	17752	2.400
A	112.0	57.0	6.00	8.50	-	2	15800	0.625	30215	1.250	43707	1.875
	112.0	57.0	6.00	8.50	5.60	2	16660	0.625	30910	1.250	43800	1.880
	125.0	41.0	4.00	8.20	-	2	8501	1.050	13943	2.100	17346	3.150
	125.0	41.0	4.00	8.20	3.75	2	9146	1.050	14540	2.100	17350	3.150
	125.0	51.0	4.00	8.50	-	2	10096	1.125	16265	2.250	19817	3.375
	125.0	51.0	4.00	8.50	3.75	2	10890	1.125	16970	2.250	19820	3.380
	125.0	51.0	5.00	8.90	-	2	13063	0.975	22931	1.950	30669	2.925
	125.0	51.0	5.00	8.90	4.70	2	14020	0.975	23760	1.950	30700	2.930
	125.0	51.0	6.00	9.40	-	2	17027	0.850	31514	1.700	44307	2.550
	125.0	51.0	6.00	9.40	5.60	2	18090	0.850	32500	1.700	44310	2.550



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product - Disc Spring Standard material C75S & 51CrV4

Series	Dimensions											
	D _e (mm)	D _i (mm)	t (mm)	l _o (mm)	t' (mm)	Group	0.25 ho		0.50 ho		0.75 ho	
							F (N)	S (mm)	F (N)	S (mm)	F (N)	S (mm)
	125.0	61.0	5.00	9.00	-	2	14615	1.000	25526	2.000	33965	3.000
	125.0	61.0	5.00	9.00	4.70	2	15630	1.000	26470	2.000	33965	3.000
	125.0	61.0	6.00	9.60	-	2	19789	0.900	36336	1.800	50722	2.700
	125.0	61.0	6.00	9.60	5.60	2	21080	0.900	37540	1.800	50720	2.700
	125.0	61.0	8.00	10.90	-	3	34434	0.725	65305	1.450	93577	2.175
	125.0	61.0	8.00	10.90	7.50	3	34434	0.725	65305	1.450	93577	2.175
C	125.0	64.0	3.50	8.00	-	2	8514	1.125	13231	2.250	15416	3.375
B	125.0	64.0	5.00	8.50	-	2	12238	0.875	21924	1.750	29908	2.625
	125.0	64.0	5.00	8.50	4.70	2	13090	0.875	22660	1.750	29940	2.630
	125.0	64.0	6.00	9.60	-	2	20350	0.900	37360	1.800	52150	2.700
	125.0	64.0	6.00	9.60	5.60	2	21670	0.900	38600	1.800	52150	2.700
	125.0	64.0	7.00	10.00	-	3	25530	0.750	47610	1.500	67220	2.250
	125.0	64.0	7.00	10.00	6.55	3	25530	0.750	47610	1.500	67220	2.250
A	125.0	64.0	8.00	10.60	-	3	31118	0.650	59520	1.300	85926	1.950
A	125.0	64.0	8.00	10.60	7.50	3	31118	0.650	59520	1.300	85926	1.950
	125.0	71.0	6.00	9.30	-	2	19538	0.825	36302	1.650	51304	2.475
	125.0	71.0	6.00	9.30	5.60	2	20840	0.830	37410	1.650	51290	2.480
	125.0	71.0	8.00	10.40	-	3	30867	0.600	59149	1.200	85494	1.800
	125.0	71.0	8.00	10.40	7.40	3	30867	0.600	59149	1.200	85494	1.800
	125.0	71.0	10.00	11.80	-	3	42963	0.450	84219	0.900	124124	1.350
	125.0	71.0	10.00	11.80	9.20	3	42963	0.450	84219	0.900	124124	1.350
C	140.0	72.0	3.80	8.70	-	2	9514	1.225	14773	2.450	17195	3.675
B	140.0	72.0	5.00	9.00	-	2	12014	1.000	20982	2.000	27920	3.000
	140.0	72.0	5.00	9.00	4.70	2	12850	1.000	21760	2.000	27920	3.000
A	140.0	72.0	8.00	11.20	-	3	31903	0.800	59967	1.600	85251	2.400
A	140.0	72.0	8.00	11.20	7.50	3	31903	0.800	59967	1.600	85251	2.400
	150.0	61.0	5.00	10.30	-	2	15292	1.325	25021	2.650	31041	3.975
	150.0	61.0	5.00	10.30	4.80	2	16080	1.325	25710	2.650	31059	3.980
	150.0	61.0	6.00	10.80	-	2	19560	1.200	34161	2.400	45456	3.600
	150.0	61.0	6.00	10.80	5.80	2	20300	1.200	34850	2.400	45456	3.600
	150.0	71.0	6.00	10.80	-	2	20721	1.200	36189	2.400	48155	3.600
	150.0	71.0	6.00	10.80	5.65	2	22120	1.200	37490	2.400	48155	3.600
	150.0	71.0	8.00	12.00	-	3	35296	1.000	64684	2.000	89851	3.000
	150.0	71.0	8.00	12.00	7.50	3	35296	1.000	64684	2.000	89851	3.000
	150.0	81.0	8.00	11.70	-	3	34518	0.925	63877	1.850	89532	2.775
	150.0	81.0	8.00	11.70	7.50	3	34518	0.925	63877	1.850	89532	2.775
	150.0	81.0	10.00	13.00	-	3	50088	0.750	96121	1.500	139128	2.250
	150.0	81.0	10.00	13.00	9.30	3	50088	0.750	96121	1.500	139128	2.250
C	160.0	82.0	4.30	9.90	-	2	12162	1.400	18832	2.800	21843	4.200
B	160.0	82.0	6.00	10.50	-	2	17203	1.125	30431	2.250	41008	3.375
	160.0	82.0	6.00	10.50	5.60	2	18570	1.125	31630	2.250	41040	3.380
A	160.0	82.0	10.00	13.50	-	3	50547	0.875	96216	1.750	138331	2.625
A	160.0	82.0	10.00	13.50	9.40	3	50547	0.875	96216	1.750	138331	2.625
C	180.0	92.0	4.80	11.00	-	2	14646	1.550	22731	3.100	26442	4.650
B	180.0	92.0	6.00	11.10	-	2	16558	1.275	28552	2.550	37502	3.825
	180.0	92.0	6.00	11.10	5.60	2	17920	1.275	29770	2.550	37530	3.830
A	180.0	92.0	10.00	14.00	-	3	46850	1.000	88141	2.000	125417	3.000
A	180.0	92.0	10.00	14.00	9.40	3	46850	1.000	88141	2.000	125417	3.000
	180.0	92.0	13.00	16.50	-	3	85040	0.880	163400	1.750	238300	2.630
	180.0	92.0	13.00	16.50	12.10	3	85040	0.880	163400	1.750	238300	2.630



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product - Disc Spring Standard material C75S & 51CrV4

Series	Dimensions											
	D _e (mm)	D _i (mm)	t (mm)	l _o (mm)	t' (mm)	Group	0.25 ho		0.50 ho		0.75 ho	
							F (N)	S (mm)	F (N)	S (mm)	F (N)	S (mm)
	200.0	82.0	8.00	14.20	-	3	35029	1.550	60013	3.100	78034	4.650
	200.0	82.0	8.00	14.20	7.60	3	35029	1.550	60013	3.100	78034	4.650
	200.0	82.0	10.00	15.50	-	3	51105	1.375	93357	2.750	129445	4.125
	200.0	82.0	10.00	15.50	9.60	3	51105	1.375	93357	2.750	129445	4.125
	200.0	82.0	12.00	16.60	-	3	66924	1.150	127191	2.300	182737	3.450
	200.0	82.0	12.00	16.60	11.50	3	66924	1.150	127191	2.300	182737	3.450
	200.0	92.0	10.00	15.60	-	3	55136	1.400	100014	2.800	137688	4.200
	200.0	92.0	10.00	15.60	9.50	3	55136	1.400	100014	2.800	137688	4.200
	200.0	92.0	12.00	16.80	-	3	73913	1.200	139548	2.400	199269	3.600
	200.0	92.0	12.00	16.80	11.40	3	73913	1.200	139548	2.400	199269	3.600
	200.0	92.0	14.00	18.10	-	3	95633	1.025	184092	2.050	267227	3.075
	200.0	92.0	14.00	18.10	13.10	3	95633	1.025	184092	2.050	267227	3.075
C	200.0	102.0	5.50	12.50	-	2	19817	1.750	30882	3.500	36111	5.250
B	200.0	102.0	8.00	13.60	-	3	33367	1.400	57955	2.800	76378	4.200
B	200.0	102.0	8.00	13.60	7.50	3	33367	1.400	57955	2.800	76378	4.200
	200.0	102.0	10.00	15.60	-	3	58757	1.400	106099	2.800	145357	4.200
	200.0	102.0	10.00	15.60	9.40	3	58757	1.400	106099	2.800	145357	4.200
A	200.0	102.0	12.00	16.20	-	3	66983	1.050	127401	2.100	183020	3.150
A	200.0	102.0	12.00	16.20	11.25	3	66983	1.050	127401	2.100	183020	3.150
	200.0	102.0	14.00	18.20	-	3	103781	1.050	199476	2.100	289181	3.150
	200.0	102.0	14.00	18.20	13.10	3	103781	1.050	199476	2.100	289181	3.150
	200.0	112.0	12.00	16.20	-	3	72257	1.050	136873	2.100	195830	3.150
	200.0	112.0	12.00	16.20	11.10	3	72257	1.050	136873	2.100	195830	3.150
	200.0	112.0	14.00	17.50	-	3	91033	0.875	176156	1.750	256758	2.625
	200.0	112.0	14.00	17.50	12.90	3	91033	0.875	176156	1.750	256758	2.625
	200.0	112.0	16.00	18.80	-	3	105268	0.700	206697	1.400	305100	2.100
	200.0	112.0	16.00	18.80	14.80	3	105268	0.700	206697	1.400	305100	2.100
	225.0	112.0	6.00	13.60	-	2	25820	1.900	39660	3.800	45500	5.700
C	225.0	112.0	6.50	13.60	-	3	23582	1.775	37417	3.550	44580	5.325
C	225.0	112.0	6.50	13.60	6.20	3	23582	1.775	37417	3.550	44580	5.325
B	225.0	112.0	8.00	14.50	-	3	32870	1.625	55412	3.250	70749	4.875
B	225.0	112.0	8.00	14.50	7.50	3	32870	1.625	55412	3.250	70749	4.875
A	225.0	112.0	12.00	17.00	-	3	64497	1.250	120738	2.500	171016	3.750
A	225.0	112.0	12.00	17.00	11.25	3	64497	1.250	120738	2.500	171016	3.750
	225.0	112.0	16.00	20.50	-	3	128500	1.130	247100	2.250	360100	3.380
	225.0	112.0	16.00	20.50	15.00	3	128500	1.130	247100	2.250	360100	3.380
	250.0	102.0	10.00	18.00	-	3	56867	2.000	97282	4.000	126387	6.000
	250.0	102.0	10.00	18.00	9.60	3	56867	2.000	97282	4.000	126387	6.000
	250.0	102.0	12.00	19.00	-	3	73563	1.750	133131	3.500	182962	5.250
	250.0	102.0	12.00	19.00	11.50	3	73563	1.750	133131	3.500	182962	5.250
	250.0	127.0	6.50	14.80	-	3	29700	2.080	45420	4.150	51970	6.230
C	250.0	127.0	7.00	14.80	-	3	26895	1.950	42527	3.900	50466	5.850
C	250.0	127.0	7.00	14.80	6.70	3	26895	1.950	42527	3.900	50466	5.850
B	250.0	127.0	10.00	17.00	-	3	51871	1.750	90206	3.500	119053	5.250
B	250.0	127.0	10.00	17.00	9.40	3	51871	1.750	90206	3.500	119053	5.250
	250.0	127.0	12.00	19.30	-	3	87633	1.825	156021	3.650	210806	5.475
	250.0	127.0	12.00	19.30	11.25	3	87633	1.825	156021	3.650	210806	5.475
A	250.0	127.0	14.00	19.60	-	3	93239	1.400	175145	2.800	248828	4.200
A	250.0	127.0	14.00	19.60	13.10	3	93239	1.400	175145	2.800	248828	4.200
	250.0	127.0	16.00	21.80	-	3	140941	1.450	267295	2.900	383017	4.350
	250.0	127.0	16.00	21.80	15.00	3	140941	1.450	267295	2.900	383017	4.350



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product - LockRite™ - Wedge Lock Washer

Alloy steel 51 Crv4 or C75 Coated Geomet 720®

Bolt size Metric	UNC	øi [mm]	øo [mm]	Thickness T [mm]
M3	#5	3.40	7.00	1.80
M3.5	#6	3.90	7.60	1.80
M3.5	#6	3.90	9.00	1.80
M4	#8	4.40	7.60	1.80
M4	#8	4.40	9.00	1.80
M5	#10	5.40	9.00	1.80
M5	#10	5.40	10.80	1.80
M6	-	6.50	10.80	1.80
M6	-	6.50	13.50	2.50
-	1/4"	7.20	11.50	1.80
-	1/4"	7.20	13.50	2.50
M8	5/16"	8.70	13.50	2.50
M8	5/16"	8.70	16.60	2.50
-	3/8"	10.30	16.60	2.50
-	3/8"	10.30	21.10	2.50
M10	-	10.70	16.60	2.50
M10	-	10.70	21.00	2.50
M11	7/16"	11.40	18.50	2.50
M12	-	13.00	19.50	2.50
M12	-	13.00	25.40	3.40
-	1/2"	13.50	19.50	2.50
-	1/2"	13.50	25.40	3.40
M14	9/16"	15.20	23.00	3.40
M14	9/16"	15.20	30.70	3.40
M16	5/8"	17.00	25.40	3.40
M16	5/8"	17.00	30.70	3.40
M18	-	19.50	29.00	3.40
M18	-	19.50	34.50	3.40
-	3/4"	20.00	30.70	3.40
-	3/4"	20.00	39.00	3.40
M20	-	21.40	30.70	3.40
M20	-	21.40	39.00	3.40
M22	7/8"	23.40	34.50	3.40
M22	7/8"	23.40	42.00	4.60
M24	-	25.30	39.00	3.40
M24	-	25.30	48.50	4.60
-	1"	27.90	39.00	3.40
-	1"	27.90	48.50	4.60
M27	-	28.40	42.00	5.80
M27	-	28.40	48.50	5.80
M30	1.1/8"	31.40	47.00	5.80
M30	1.1/8"	31.40	58.50	6.60
M33	1.1/4"	34.40	48.50	5.80
M33	1.1/4"	34.40	58.50	6.60
M36	1.3/8"	37.40	55.00	6.60
M36	1.3/8"	37.40	63.00	6.60
M39	1.1/2"	40.40	58.50	6.60
M42	-	43.20	63.00	6.60
M45	1.3/4"	46.20	70.00	7.00
M48	-	49.60	75.00	7.00
M52	2"	53.60	80.00	7.00
M56	2.1/4"	59.10	85.00	7.00
M60	-	63.10	90.00	7.00
M64	2.1/2"	67.10	95.00	7.00
M68	-	71.10	100.00	9.50
M72	-	75.10	105.00	9.50
M76	3"	79.10	110.00	9.40
M80	-	83.10	115.00	9.40
M85	-	88.10	120.00	9.40
M90	-	92.40	130.00	9.40
M95	-	97.40	135.00	9.40
M100	-	103.40	145.00	9.40
M105	-	108.40	150.00	9.40
M110	-	113.40	155.00	9.40
M115	-	118.40	165.00	9.40
M120	-	123.40	170.00	9.40
M125	-	128.40	173.00	9.40
M130	-	133.40	178.00	9.40



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product – Wave Washer

Dimension Table for Wave Washer

d1 (mm)	d2 (mm)	t (mm)	h (mm)	No. of waves n	Test Force (F) at Test Height (h)		Ball Bearing Type		
					hp (mm)	F (N)			
4.50	6.60	0.10	0.9	3.0	0.40	13.00	-	-	--
5.20	8.20	0.10	0.9	3.0	0.40	16.00	-	-	--
5.60	8.20	0.20	1.1	3.0	0.45	70.00	-	-	--
6.40	9.80	0.10	1.2	3.0	0.55	15.00	-	-	--
6.40	9.80	0.20	1.3	3.0	0.55	80.00	-	-	--
7.60	11.80	0.10	1.2	3.0	0.55	15.00	624(EL4)	-	--
7.50	11.95	0.20	1.2	3.0	0.50	65.00	624(EL4)	-	--
7.40	12.00	0.30	1.4	3.0	0.55	220.00	624	-	--
8.40	12.00	0.10	1.2	3.0	0.55	7.00	-	-	--
8.30	11.90	0.15	1.2	3.0	0.55	24.00	-	-	--
8.30	11.80	0.20	1.2	3.0	0.55	66.00	-	-	--
8.40	13.40	0.20	1.3	3.0	0.55	65.00	-	-	--
10.35	14.10	0.15	1.4	3.0	0.60	20.00	-	-	--
10.40	15.30	0.10	1.7	3.0	0.75	12.00	625	-	--
10.40	15.40	0.15	1.6	3.0	0.70	40.00	625	-	--
10.20	15.25	0.20	1.7	3.0	0.75	80.00	625	-	--
10.30	15.40	0.30	1.8	3.0	0.75	180.00	634	625	--
11.20	18.50	0.20	1.5	3.0	0.65	38.00	635	626	607
11.20	18.50	0.30	1.4	3.0	0.55	18.00	635	626	607
12.30	17.00	0.15	1.5	3.0	0.70	17.00	-	-	--
12.30	17.10	0.25	1.6	3.0	0.65	80.00	-	-	--
12.30	17.10	0.30	1.6	3.0	0.60	115.00	-	-	--
13.20	18.30	0.20	1.8	3.0	0.80	40.00	635	-	--
13.30	18.50	0.25	1.7	3.0	0.60	66.00	635	-	--
13.20	18.30	0.30	1.7	3.0	0.70	100.00	635	626	607
14.30	21.50	0.20	1.4	3.0	0.60	40.00	608	-	--
14.30	21.50	0.25	1.6	3.0	0.65	85.00	608	-	--
14.15	21.40	0.30	1.6	3.0	0.75	140.00	608	-	--
15.20	18.50	0.20	1.5	3.0	0.65	18.00	-	-	--
15.55	21.40	0.20	1.8	3.0	0.80	33.00	627	-	--
15.50	21.40	0.25	1.8	3.0	0.80	55.00	627	-	--
17.25	23.35	0.25	1.5	3.0	0.80	35.00	609(EL9)	-	--
17.30	23.35	0.30	1.5	3.0	0.75	60.00	609(EL9)	-	--
18.10	20.70	0.20	1.9	3.0	0.85	12.00	-	-	--
19.10	25.40	0.25	1.8	3.0	0.75	35.00	6000	629	--
19.10	25.40	0.30	1.8	3.0	0.75	65.00	6000	-	--
19.10	25.40	0.35	1.9	3.0	0.85	110.00	629(R9)	-	--
20.80	25.05	0.30	1.8	3.0	0.55	40.00	-	-	--
21.25	26.60	0.30	1.5	3.0	0.60	40.00	6001	-	--
21.40	26.70	0.40	1.6	3.0	0.60	115.00	6001	-	--



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product – Wave Washer

Dimension Table for Wave Washer

d2 (mm)	d1 (mm)	t (mm)	h (mm)	No. of waves	Test Force (F) at Test Height (h)		Ball Bearing Type					
				n	hp (mm)	F (N)						
21.30	26.65	0.50	2.00	3.0	0.76	200.00	6001	-	-	-	-	-
22.45	27.50	0.50	2.50	3.0	1.00	180.00	-	-	-	-	-	-
22.35	29.60	0.25	2.00	3.0	0.90	60.00	6200	-	-	-	-	-
22.35	29.60	0.30	2.00	3.0	0.85	65.00	6200	-	-	-	-	-
24.10	31.15	0.20	2.40	3.0	0.95	20.00	6002	6201	16002	-	-	-
24.10	31.30	0.35	2.30	3.0	1.00	80.00	6201	-	-	-	-	-
24.20	31.40	0.40	2.40	3.0	1.00	100.00	6201	-	-	-	-	-
24.20	31.40	0.50	2.40	3.0	1.00	250.00	6201	-	-	-	-	-
24.00	33.70	0.50	2.50	4.0	1.25	650.00	6300	-	-	-	-	-
26.40	31.30	0.40	2.10	3.0	1.05	45.00	6001	6002	16002	-	-	-
26.60	31.40	0.50	2.20	3.0	1.00	90.00	6002	6201	16002	-	-	-
28.10	33.85	0.30	3.00	3.0	1.35	30.00	6003	-	-	-	-	-
28.10	33.85	0.40	3.10	3.0	1.30	75.00	6003	-	-	-	-	-
28.00	33.80	0.50	3.00	3.0	1.25	150.00	6003	-	-	-	-	-
34.45	28.50	0.60	3.00	3.0	1.25	250.00	6003	-	-	-	-	-
35.90	30.20	0.50	2.50	4.0	1.00	360.00	3601	-	-	-	-	-
30.10	39.30	0.50	3.00	3.0	1.05	180.00	6302	-	-	-	-	-
30.15	41.40	0.50	3.00	3.0	1.25	180.00	6004	-	-	-	-	-
30.20	41.45	0.60	3.00	3.0	1.20	291.50	6004	-	-	-	-	-
29.70	35.40	0.40	3.20	3.0	1.40	210.00	6301	-	-	-	-	-
33.10	39.00	0.30	2.80	4.0	1.25	70.00	6203	-	-	-	-	-
33.10	38.90	0.40	2.80	4.0	1.35	130.00	6203	-	-	-	-	-
33.30	39.00	0.50	2.90	4.0	1.20	275.00	6203	-	-	-	-	-
35.00	40.70	0.35	3.10	4.0	1.30	80.00	16004	-	-	-	-	-
37.00	44.80	0.50	3.00	5.0	1.25	700.00	6204	-	-	-	-	-
39.90	46.00	0.40	3.00	4.0	1.30	80.00	6303	6005	-	-	-	-
40.00	46.30	0.50	3.00	4.0	1.25	185.00	6303	6005	-	-	-	-
41.70	50.50	0.50	3.40	5.0	1.45	550.00	6205	-	-	-	-	-
43.60	50.60	0.40	3.80	4.0	1.70	120.00	6304	-	-	-	-	-
44.80	53.60	0.40	3.70	4.0	1.65	110.00	16006	-	-	-	-	-
44.80	53.70	0.50	3.60	4.0	1.55	260.00	6006	-	-	-	-	-
51.20	60.30	0.40	3.60	4.0	1.60	90.00	6305	6206	16007	-	-	-
50.60	60.70	0.50	3.70	5.0	1.60	430.00	6007	6403	-	-	-	-
50.55	60.55	0.60	3.70	5.0	1.55	700.00	6007	6206	6305	6403	16007	-
57.50	66.80	0.40	3.40	5.0	1.50	150.00	16008	-	-	-	-	-
57.50	66.80	0.50	3.50	5.0	1.50	300.00	6008	-	-	-	-	-
60.90	70.50	0.40	3.50	5.0	1.55	150.00	6207+6404	-	-	-	-	-
60.70	70.80	0.50	3.40	5.0	1.45	260.00	6207+6404	-	-	-	-	-
60.90	71.20	0.60	3.50	5.0	1.45	480.00	6207	6306	6404	-	-	-
63.80	73.80	0.40	3.40	5.0	1.45	100.00	8009	-	-	-	-	-
63.50	73.50	0.50	3.60	5.0	1.55	300.00	8009	-	-	-	-	-
70.80	78.70	0.50	3.80	5.0	1.65	180.00	6010	6405	6208	6307	16010	-
70.50	78.50	0.60	3.60	6.0	1.50	540.00	6010	6405	-	-	-	-
73.90	83.90	0.50	3.50	5.0	1.50	178.00	6209	-	-	-	-	-
73.90	83.90	0.60	3.50	6.0	1.45	650.00	6209	-	-	-	-	-
78.30	88.20	0.50	3.70	6.0	1.60	300.00	6011	6210	6308	6406	16011	-
78.30	88.00	0.60	3.90	6.0	1.65	600.00	6011	6210	6308	6406	16011	-
83.30	92.90	0.50	3.60	6.0	1.55	200.00	6012+16012	-	-	-	-	-
84.00	93.10	0.60	3.60	6.0	1.55	420.00	6012+16012	-	-	-	-	-
88.40	97.80	0.50	4.00	6.0	1.75	210.00	6013	6211	6309	6407	16013	-
88.40	97.80	0.60	4.10	6.0	1.75	400.00	6013	6211	6309	6407	16013	-
97.00	107.00	0.50	4.20	7.0	1.85	380.00	6014	6212	6310	6408	16014	-
97.40	107.30	0.60	4.40	7.0	1.90	690.00	6014	6212	6310	6406	16014	-
102.00	112.00	0.50	4.40	7.0	1.95	350.00	6015	16015	-	-	-	-
102.00	112.00	0.60	4.70	7.0	2.05	520.00	6015	16015	-	-	-	-
107.00	117.00	0.50	4.40	7.0	2.00	280.00	6213	6311	6409	-	-	-
107.00	117.00	0.60	4.70	7.0	2.05	520.00	6213	6311	6409	-	-	-
111.70	121.70	0.50	4.70	7.0	2.10	250.00	6016	6214	16016	-	-	-
111.70	121.70	0.60	4.80	7.0	2.10	460.00	6016	6214	16016	-	-	-
117.50	127.50	0.50	4.40	7.0	1.95	225.00	6017	6215	6312	6410	16017	-
117.50	127.50	0.60	4.60	7.0	2.00	400.00	6017	6215	6312	6410	16017	-
126.80	136.50	0.50	4.20	8.0	1.85	300.00	6018	6216	6313	6411	16018	-
126.80	136.50	0.60	4.40	8.0	1.90	550.00	6018	6216	6316	6411	16018	-



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product - Ball Bearing Disc Springs

Ball Bearing Disc Springs arranged by Dimensions

Ball bearing IIS disc spring for ball bearing type			Dimension				F (0.50 h ₀)		F (0.75 h ₀)	
			D ₀ * [mm]	D ₁ * [mm]	t [mm]	l ₀ [mm]	S [mm]	F [n]	S [mm]	F [n]
-	623	-	9.8	6.2	0.15	0.60	0.23	9	0.35	13
-	623	-	9.8	6.2	0.20	0.40	0.10	19	0.15	24
-	624	-	12.8	7.2	0.20	0.65	0.23	16	0.35	18
-	624	-	12.8	7.2	0.25	0.50	0.12	24	0.19	29
-	625	634	15.8	8.2	0.25	0.75	0.25	17	0.40	20
-	625	634	15.8	8.2	0.25	0.55	0.15	20	0.22	23
-	626	635	18.8	9.2	0.25	1.00	0.38	17	0.55	20
-	626	635	18.8	9.2	0.30	0.65	0.17	26	0.26	31
-	607	-	18.8	10.2	0.25	1.05	0.40	19	0.60	24
-	607	-	18.8	10.2	0.35	0.70	0.17	40	0.26	51
-	608	627	21.8	12.3	0.25	1.25	0.50	19	0.75	24
-	608	627	21.8	12.3	0.35	0.75	0.20	38	0.30	46
-	609	-	23.7	14.3	0.30	1.30	0.50	21	0.75	25
-	609	-	23.7	14.3	0.40	0.90	0.25	69	0.37	80
6000	-	629	25.7	14.3	0.30	1.40	0.55	24	0.80	28
6000	-	629	25.7	14.3	0.40	0.90	0.25	54	0.37	64
6001	-	-	27.7	17.3	0.35	1.45	0.55	25	0.80	31
6001	-	-	27.7	17.3	0.40	1.00	0.30	73	0.45	80
-	6200	-	29.7	17.3	0.35	1.55	0.60	26	0.90	32
-	6200	-	29.7	17.3	0.40	1.10	0.35	80	0.52	82
6002	6201	-	31.7	20.4	0.35	1.55	0.60	27	0.90	33
6002	6201	-	31.7	20.4	0.40	1.10	0.35	79	0.52	81
-	-	6300	34.6	20.4	0.40	1.65	0.65	27	1.00	32
-	-	6300	34.6	20.4	0.40	1.10	0.35	60	0.52	61
6003	6202	-	34.6	22.4	0.35	1.55	0.60	27	0.90	32
6003	6202	-	34.6	22.4	0.50	1.20	0.35	106	0.52	119
-	-	6301	36.6	20.4	0.40	1.90	0.75	31	1.10	35
-	-	6301	36.6	20.4	0.50	1.30	0.40	103	0.60	111
-	6203	-	39.6	25.5	0.40	1.90	0.75	33	1.10	37
-	6203	-	39.6	25.5	0.50	1.30	0.40	103	0.60	111
6004	-	6302	41.6	25.5	0.45	2.05	0.80	34	1.20	39
6004	-	6302	41.6	25.5	0.50	1.40	0.45	113	0.67	114
6005	6204	6303	46.5	30.5	0.45	2.05	0.80	39	1.20	44
6005	6205	6303	46.5	30.5	0.60	1.50	0.45	140	0.67	155
-	6205	6304	51.5	35.5	0.45	2.10	0.85	42	1.25	47
-	6205	6304	51.5	35.5	0.60	1.50	0.45	124	0.67	135
6006	-	-	54.5	40.5	0.45	2.15	0.85	48	1.30	53
6006	-	-	54.5	40.5	0.60	1.50	0.45	127	0.67	140
6007	6206	6305	61.5	40.5	0.55	2.55	1.00	49	1.50	54
6007	6206	6305	61.5	40.5	0.70	1.80	0.55	164	0.82	186
6008	-	-	67.5	50.5	0.50	2.60	1.05	76	1.60	78
6008	-	-	67.5	50.5	0.70	1.70	0.50	143	0.75	160
-	-	6306	71.5	45.5	0.60	2.90	1.15	71	1.70	74
-	-	6306	71.5	45.5	0.70	2.10	0.70	190	1.05	185
-	6207	-	71.5	50.5	0.60	2.90	1.15	127	1.70	127
-	6207	-	71.5	50.5	0.70	2.10	0.70	223	1.05	217
6009	-	-	74.5	55.5	0.60	2.90	1.15	88	1.70	91
6009	-	-	74.5	55.5	0.80	1.90	0.55	186	0.82	212
-	-	6307	79.5	50.5	0.70	3.10	1.20	78	1.80	83



Bangalore Spring Industries

Mfrs.: All Types of Springs, Heavy Duty Springs, Die Springs, Disc Springs & Wire Forms

Product - Ball Bearing Disc Springs

Ball Bearing Disc Springs arranged by Dimensions

Ball bearing IIS disc spring for ball bearing type			Dimension				F (0.50 h ₀)		F (0.75 h ₀)	
			D ₀ * [mm]	D ₁ * [mm]	t [mm]	l ₀ [mm]	S [mm]	F [n]	S [mm]	F [n]
-	-	6307	79.5	50.5	0.80	2.30	0.75	228	1.12	228
6010	6208	-	79.5	55.5	0.70	2.90	1.10	127	1.65	127
6010	6208	-	79.5	55.5	0.80	2.30	0.75	264	1.12	264
-	6209	-	84.5	60.5	0.75	3.15	1.20	66	1.80	78
-	6209	-	84.5	60.5	0.90	2.50	0.80	352	1.20	357
-	-	6308	89.5	60.5	0.80	3.30	1.25	90	1.90	104
-	-	6308	89.5	60.5	0.90	2.50	0.80	284	1.20	288
6011	6210	-	89.5	65.5	0.80	3.40	1.30	180	1.95	189
6011	6210	-	89.5	65.5	0.90	2.50	0.80	330	1.20	333
6012	-	-	94.5	75.5	0.80	3.45	1.35	191	2.00	206
6012	-	-	94.5	75.5	1.00	2.20	0.60	272	0.90	325
-	-	6309	99.0	65.5	1.00	2.60	0.80	274	1.20	293
6013	6211	-	99.0	70.5	1.00	2.60	0.80	312	1.20	333
-	-	6310	109.0	70.5	1.25	2.70	0.73	294	1.09	356
6014	6212	-	109.0	75.5	1.25	2.70	0.73	327	1.09	394
6015	-	-	114.0	90.5	1.25	2.45	0.60	311	0.90	396
-	-	6311	119.0	75.5	1.25	2.80	0.78	270	1.16	319
-	6213	-	119.0	85.5	1.25	2.80	0.78	331	1.16	391
6016	6214	-	124.0	90.5	1.25	3.00	0.88	392	1.31	441
-	-	6312	129.0	85.5	1.25	3.20	0.98	375	1.46	402
6017	6215	-	129.0	95.5	1.25	3.20	0.98	462	1.46	500
-	-	6313	139.0	90.5	1.25	3.25	1.00	329	1.50	353
6018	6216	-	139.0	101.0	1.25	3.25	1.00	398	1.50	427
-	-	6314	149.0	95.5	1.50	3.20	0.85	312	1.28	380
6020	6217	-	149.0	106.0	1.50	3.20	0.85	368	1.28	448
-	-	6315	159.0	101.0	1.50	3.50	1.00	356	1.50	409
6021	6218	-	159.0	111.0	1.50	3.50	1.00	415	1.50	477
-	-	6316	169.0	111.0	1.50	3.80	1.15	432	1.73	472
6022	6219	-	169.0	121.0	1.50	3.80	1.15	497	1.73	542
-	-	6317	179.0	121.0	2.00	4.20	1.10	702	1.65	861
6024	6220	-	179.0	126.0	2.00	4.20	1.10	761	1.65	934
-	-	6318	189.0	121.0	2.00	4.30	1.15	628	1.73	760
-	6221	-	189.0	131.0	2.00	4.30	1.15	702	1.73	849
-	-	6319	198.0	131.0	2.00	4.50	1.25	691	1.88	813
6026	6222	-	198.0	141.0	2.00	4.50	1.25	779	1.88	917
-	6224	6320	213.0	151.0	2.25	4.50	1.12	746	1.69	941
6030	-	6321	223.0	161.0	2.25	4.60	1.17	747	1.76	933
-	6226	-	228.0	161.0	2.25	4.95	1.35	864	2.02	1030
6032	-	6322	238.0	161.0	2.25	5.25	1.50	886	2.25	1020
-	6228	-	248.0	171.0	2.50	5.00	1.25	795	1.88	1000
6034	-	6324	258.0	171.0	2.50	5.50	1.50	928	2.25	1108
-	6230	-	268.0	181.0	2.50	5.70	1.60	990	2.40	1160
6036	-	6326	278.0	181.0	2.50	6.00	1.75	1020	2.63	1160
6038	6232	-	288.0	191.0	2.75	5.75	1.50	931	2.25	1150
-	-	6328	298.0	191.0	2.75	6.35	1.80	1130	2.70	1310
6040	6234	-	308.0	202.0	3.00	6.10	1.55	1050	2.33	1300
-	6236	6330	318.0	212.0	3.00	6.20	1.60	1060	2.40	1300
6044	6238	6332	338.0	232.0	3.00	6.60	1.80	1180	2.70	1410
6048	6240	6334	358.0	242.0	3.00	7.00	2.10	1350	3.15	1530