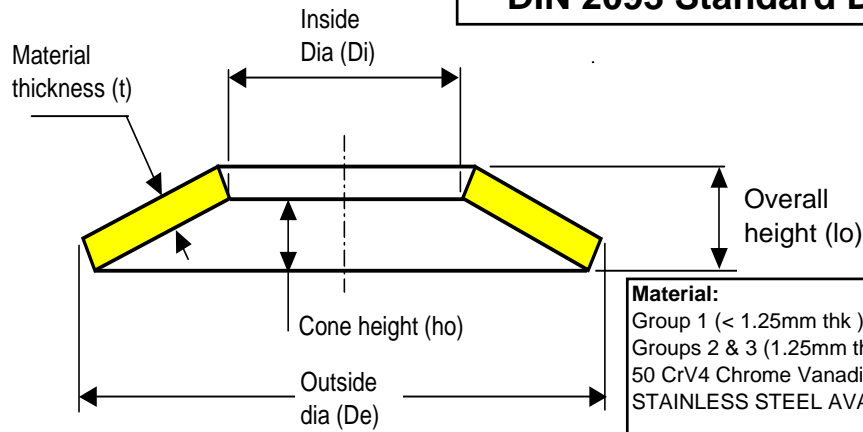


DIN 2093 Standard Disc Springs



Material:

Group 1 (< 1.25mm thk):-Carbon Spring Steel
 Groups 2 & 3 (1.25mm thk plus):-
 50 CrV4 Chrome Vanadium Spring Steel
STAINLESS STEEL AVAILABLE ON REQUEST

Standard Finish: Phosphate and oil

F = Force in Newtons at 75% deflection

Part no	De	Di	t	lo	ho	F at 75%
CDS63203	6.0	3.2	0.30	0.45	0.15	119
CDS83202	8.0	3.2	0.20	0.40	0.20	26
CDS83203	8.0	3.2	0.30	0.55	0.25	104
CDS83204	8.0	3.2	0.40	0.60	0.20	186
CDS83205	8.0	3.2	0.50	0.70	0.20	357
CDS84204	8.0	4.2	0.20	0.45	0.25	39
CDS84203	8.0	4.2	0.30	0.55	0.25	118
CDS84204	8.0	4.2	0.40	0.60	0.20	210
CDS103203	10.0	3.2	0.30	0.65	0.35	98
CDS103204	10.0	3.2	0.40	0.70	0.30	179
CDS103205	10.0	3.2	0.50	0.75	0.25	279
CDS104205	10.0	4.2	0.40	0.70	0.30	189
CDS104205	10.0	4.2	0.50	0.75	0.25	294
CDS104206	10.0	4.2	0.60	0.85	0.25	502
CDS1052025	10.0	5.2	0.25	0.55	0.30	58
CDS105204	10.0	5.2	0.40	0.70	0.30	209
CDS105205	10.0	5.2	0.50	0.75	0.25	325
CDS124204	12.0	4.2	0.40	0.80	0.40	178
CDS124205	12.0	4.2	0.50	0.85	0.35	284
CDS124206	12.0	4.2	0.60	1.00	0.40	557
CDS125205	12.0	5.2	0.50	0.90	0.40	350
CDS125206	12.0	5.2	0.60	0.95	0.35	506
CDS126205	12.0	6.2	0.50	0.85	0.35	326
CDS126206	12.0	6.2	0.60	0.95	0.35	552
CDS1255205	12.5	5.2	0.50	0.85	0.35	272
CDS12562035	12.5	6.2	0.35	0.80	0.45	151
CDS1256205	12.5	6.2	0.50	0.85	0.35	293
CDS1256206	12.5	6.2	0.60	0.95	0.35	496
CDS1256207	12.5	6.2	0.70	1.00	0.30	660
CDS125621	12.5	6.2	1.00	1.20	0.20	1,254
CDS1472035	14.0	7.2	0.35	0.80	0.45	123
CDS147205	14.0	7.2	0.50	0.90	0.40	279
CDS147208	14.0	7.2	0.80	1.10	0.30	797
CDS155204	15.0	5.2	0.40	0.95	0.55	176
CDS155205	15.0	5.2	0.50	1.00	0.50	278
CDS155206	15.0	5.2	0.60	1.05	0.45	407
CDS155207	15.0	5.2	0.70	1.10	0.40	555
CDS156205	15.0	6.2	0.50	1.00	0.50	289
CDS156206	15.0	6.2	0.60	1.05	0.45	424
CDS156207	15.0	6.2	0.70	1.10	0.40	578
CDS158205	15.0	8.2	0.50	1.00	0.50	334
CDS158207	15.0	8.2	0.70	1.10	0.40	666
CDS158208	15.0	8.2	0.80	1.20	0.40	982

CDS168204	16.0	8.2	0.40	0.90	0.50	154
CDS168206	16.0	8.2	0.60	1.05	0.45	410
CDS168207	16.0	8.2	0.70	1.15	0.45	637
CDS168208	16.0	8.2	0.80	1.20	0.40	825
CDS168209	16.0	8.2	0.90	1.25	0.35	1,013
CDS186204	18.0	6.2	0.40	1.00	0.60	139
CDS186205	18.0	6.2	0.50	1.10	0.60	245
CDS186206	18.0	6.2	0.60	1.20	0.60	400
CDS186207	18.0	6.2	0.70	1.25	0.55	553
CDS186208	18.0	6.2	0.80	1.30	0.50	726
CDS188205	18.0	8.2	0.50	1.10	0.60	265
CDS188207	18.0	8.2	0.70	1.25	0.55	596
CDS188208	18.0	8.2	0.80	1.30	0.50	783
CDS18821	18.0	8.2	1.00	1.40	0.40	1,181
CDS1892045	18.0	9.2	0.45	1.05	0.60	214
CDS189207	18.0	9.2	0.70	1.20	0.50	566
CDS18921	18.0	9.2	1.00	1.40	0.40	1,254
CDS208206	20.0	8.2	0.60	1.30	0.70	412
CDS208207	20.0	8.2	0.70	1.35	0.65	569
CDS208208	20.0	8.2	0.80	1.40	0.60	751
CDS208209	20.0	8.2	0.90	1.45	0.55	954
CDS20821	20.0	8.2	1.00	1.55	0.55	1,294
CDS2010204	20.0	10.2	0.40	0.90	0.50	99
CDS2010205	20.0	10.2	0.50	1.15	0.65	254
CDS2010208	20.0	10.2	0.80	1.35	0.55	748
CDS2010209	20.0	10.2	0.90	1.45	0.55	1,050
CDS201021	20.0	10.2	1.00	1.55	0.55	1,425
CDS2010211	20.0	10.2	1.10	1.55	0.45	1,521
CDS20102125	20.0	10.2	1.25	1.75	0.50	2,477
CDS2010215	20.0	10.2	1.50	1.80	0.30	2,521
CDS22511206	22.5	11.2	0.60	1.40	0.80	425
CDS22511208	22.5	11.2	0.80	1.45	0.65	707
CDS2251121	22.5	11.2	1.00	1.65	0.65	1,335
CDS225112125	22.5	11.2	1.25	1.75	0.50	1,929
CDS238207	23.0	8.2	0.70	1.50	0.80	544
CDS238208	23.0	8.2	0.80	1.55	0.75	719
CDS238209	23.0	8.2	0.90	1.60	0.70	919
CDS23821	23.0	8.2	1.00	1.70	0.70	1,240
CDS2310209	23.0	10.2	0.90	1.65	0.75	1,058
CDS231021	23.0	10.2	1.00	1.70	0.70	1,315
CDS23102125	23.0	10.2	1.25	1.90	0.65	2,310
CDS231221	23.0	12.2	1.00	1.60	0.60	1,217
CDS23122125	23.0	12.2	1.25	1.85	0.60	2,331
CDS2312215	23.0	12.2	1.50	2.00	0.50	3,297
CDS251021	25.0	10.2	1.00	1.75	0.75	1,172
CDS2512207	25.0	12.2	0.70	1.60	0.90	600
CDS2512209	25.0	12.2	0.90	1.60	0.70	862
CDS251221	25.0	12.2	1.00	1.80	0.80	1,359
CDS25122125	25.0	12.2	1.25	1.95	0.70	2,214
CDS2512215	25.0	12.2	1.50	2.05	0.55	2,926
CDS2810208	28.0	10.2	0.80	1.75	0.95	662
CDS281021	28.0	10.2	1.00	1.90	0.90	1,130
CDS28102125	28.0	10.2	1.25	2.05	0.80	1,853
CDS2810215	28.0	10.2	1.50	2.20	0.70	2,723
CDS281221	28.0	12.2	1.00	1.95	0.95	1,268
CDS28122125	28.0	12.2	1.25	2.10	0.85	2,083
CDS2812215	28.0	12.2	1.50	2.25	0.75	3,077
CDS2814208	28.0	14.2	0.80	1.80	1.00	801
CDS281421	28.0	14.2	1.00	1.80	0.80	1,107
CDS28142125	28.0	14.2	1.25	2.10	0.85	2,240
CDS2814215	28.0	14.2	1.50	2.15	0.65	2,841

CDS3151221	31.5	12.2	1.00	2.10	1.10	1,167
CDS315122125	31.5	12.2	1.25	2.20	0.95	1,805
CDS31512215	31.5	12.2	1.50	2.35	0.85	2,688
CDS31516308	31.5	16.3	0.80	1.85	1.05	687
CDS315163125	31.5	16.3	1.25	2.15	0.90	1,913
CDS31516315	31.5	16.3	1.50	2.40	0.90	3,230
CDS315163175	31.5	16.3	1.75	2.45	0.70	3,871
CDS3151632	31.5	16.3	2.00	2.75	0.75	6,173
CDS341221	34.0	12.2	1.00	2.25	1.25	1,172
CDS34122125	34.0	12.2	1.25	2.35	1.10	1,815
CDS3412215	34.0	12.2	1.50	2.50	1.00	2,721
CDS34142125	34.0	14.2	1.25	2.40	1.15	1,989
CDS3414215	34.0	14.2	1.50	2.55	1.05	2,984
CDS3416315	34.0	16.3	1.50	2.55	1.05	3,155
CDS341632	34.0	16.3	2.00	2.85	0.85	5,783
CDS35518309	35.5	18.3	0.90	2.05	1.15	832
CDS355183125	35.5	18.3	1.25	2.25	1.00	1,699
CDS3551832	35.5	18.3	2.00	2.80	0.80	5,187
CDS40142125	40.0	14.2	1.25	2.65	1.40	1,778
CDS4014215	40.0	14.2	1.50	2.75	1.25	2,542
CDS40142175	40.0	14.2	1.75	3.05	1.30	4,114
CDS401422	40.0	14.2	2.00	3.05	1.05	4,763
CDS4016315	40.0	16.3	1.50	2.55	1.05	2,140
CDS40163175	40.0	16.3	1.75	3.10	1.35	4,435
CDS401632	40.0	16.3	2.00	3.10	1.10	5,169
CDS401832	40.0	18.3	2.00	3.15	1.15	5,656
CDS402041	40.0	20.4	1.00	2.30	1.30	1,017
CDS4020415	40.0	20.4	1.50	2.65	1.15	2,621
CDS402042	40.0	20.4	2.00	3.10	1.10	5,701
CDS40204225	40.0	20.4	2.25	3.15	0.90	6,500
CDS4020425	40.0	20.4	2.50	3.45	0.95	9,390
CDS45224125	45.0	22.4	1.25	2.85	1.60	1,891
CDS45224175	45.0	22.4	1.75	3.05	1.30	3,646
CDS4522425	45.0	22.4	2.50	3.50	1.00	7,716
CDS50183125	50.0	18.3	1.25	2.85	1.60	1,373
CDS5018315	50.0	18.3	1.50	3.30	1.80	2,603
CDS501832	50.0	18.3	2.00	3.50	1.50	4,567
CDS5018325	50.0	18.3	2.50	4.10	1.60	9,305
CDS501833	50.0	18.3	3.00	4.40	1.40	13,673
CDS502042	50.0	20.4	2.00	3.50	1.50	4,687
CDS5020425	50.0	20.4	2.50	3.85	1.35	7,919
CDS502242	50.0	22.4	2.00	3.60	1.60	5,222
CDS5022425	50.0	22.4	2.50	3.90	1.40	8,510
CDS50254125	50.0	25.4	1.25	2.85	1.60	1,550
CDS5025415	50.0	25.4	1.50	3.10	1.60	2,512
CDS502542	50.0	25.4	2.00	3.40	1.40	4,762
CDS50254225	50.0	25.4	2.25	3.75	1.50	7,217
CDS5025425	50.0	25.4	2.50	3.90	1.40	9,063
CDS502543	50.0	25.4	3.00	4.10	1.10	11,976
CDS5628515	56.0	28.5	1.50	3.45	1.95	2,622
CDS562852	56.0	28.5	2.00	3.60	1.60	4,438
CDS5628525	56.0	28.5	2.50	4.20	1.70	8,978
CDS562853	56.0	28.5	3.00	4.30	1.30	11,388
CDS602042	60.0	20.4	2.00	4.10	2.10	4,727
CDS6020425	60.0	20.4	2.50	4.30	1.80	7,297
CDS602043	60.0	20.4	3.00	4.70	1.70	11,569
CDS6025425	60.0	25.4	2.50	4.40	1.90	8,164
CDS602543	60.0	25.4	3.00	4.65	1.65	11,768
CDS6030525	60.0	30.5	2.50	4.30	1.80	8,342
CDS60305275	60.0	30.5	2.75	4.75	2.00	12,356
CDS603053	60.0	30.5	3.00	4.70	1.70	13,226

CDS6030535	60.0	30.5	3.50	5.00	1.50	18,153
CDS633118	63.0	31.0	1.80	4.15	2.35	4,238
CDS633125	63.0	31.0	2.50	4.25	1.75	7,189
CDS63313	63.0	31.0	3.00	4.80	1.80	12,536
CDS633135	63.0	31.0	3.50	4.90	1.40	15,025
CDS702552	70.0	25.5	2.00	4.50	2.50	4,437
CDS7030525	70.0	30.5	2.50	4.90	2.40	8,031
CDS703053	70.0	30.5	3.00	5.10	2.10	11,426
CDS703553	70.0	35.5	3.00	5.10	2.10	12,287
CDS703554	70.0	35.5	4.00	5.80	1.80	23,923
CDS704054	70.0	40.5	4.00	5.60	1.60	23,351
CDS704055	70.0	40.5	5.00	6.20	1.20	33,672
CDS71362	71.0	36.0	2.00	4.60	2.60	5,144
CDS713625	71.0	36.0	2.50	4.50	2.00	6,725
CDS71364	71.0	36.0	4.00	5.60	1.60	20,535
CDS803125	80.0	31.0	2.50	5.30	2.80	7,239
CDS80313	80.0	31.0	3.00	5.50	2.50	10,352
CDS80314	80.0	31.0	4.00	6.10	2.10	19,394
CDS80363	80.0	36.0	3.00	5.70	2.70	11,919
CDS80364	80.0	36.0	4.00	6.20	2.20	21,400
CDS8041225	80.0	41.0	2.25	5.20	2.95	6,613
CDS80413	80.0	41.0	3.00	5.30	2.30	10,518
CDS80414	80.0	41.0	4.00	6.20	2.20	22,874
CDS80415	80.0	41.0	5.00	6.70	1.70	33,559
CDS904625	90.0	46.0	2.50	5.70	3.20	7,684
CDS904635	90.0	46.0	3.50	6.00	2.50	14,161
CDS90465	90.0	46.0	5.00	7.00	2.00	31,354
CDS100414	100.0	41.0	4.00	7.20	3.20	20,251
CDS100415	100.0	41.0	5.00	7.75	2.75	32,361
CDS1005127	100.0	51.0	2.70	6.20	3.50	8,609
CDS1005135	100.0	51.0	3.50	6.30	2.80	13,070
CDS100514	100.0	51.0	4.00	7.00	3.00	20,674
CDS100515	100.0	51.0	5.00	7.80	2.80	36,339
CDS100516	100.0	51.0	6.00	8.20	2.20	48,022
CDS100517	100.0	51.0	7.00	9.20	2.20	75,840
CDS112573	112.0	57.0	3.00	6.90	3.90	10,489
CDS112574	112.0	57.0	4.00	7.20	3.20	17,752
CDS112576	112.0	57.0	6.00	8.50	2.50	43,707
CDS125414	125.0	41.0	4.00	8.20	4.20	17,346
CDS125514	125.0	51.0	4.00	8.50	4.50	19,817
CDS125515	125.0	51.0	5.00	8.90	3.90	30,669
CDS125516	125.0	51.0	6.00	9.40	3.40	44,307
CDS125615	125.0	61.0	5.00	9.00	4.00	33,965
CDS125616	125.0	61.0	6.00	9.60	3.60	50,722
CDS125618	125.0	61.0	8.00	10.90	2.90	93,577
CDS1256435	125.0	64.0	3.50	8.00	4.50	15,416
CDS125645	125.0	64.0	5.00	8.50	3.50	29,908
CDS125646	125.0	64.0	6.00	9.60	3.60	52,155
CDS125647	125.0	64.0	7.00	10.00	3.00	67,216
CDS125648	125.0	64.0	8.00	10.60	2.60	85,926
CDS125716	125.0	71.0	6.00	9.30	3.30	51,217
CDS125718	125.0	71.0	8.00	10.40	2.40	85,494
CDS1257110	125.0	71.0	10.00	11.80	1.80	124,124
CDS1407238	140.0	72.0	3.80	8.70	4.90	17,195
CDS140725	140.0	72.0	5.00	9.00	4.00	27,920
CDS140728	140.0	72.0	8.00	11.20	3.20	85,251
CDS150615	150.0	61.0	5.00	10.30	5.30	31,041
CDS150616	150.0	61.0	6.00	10.80	4.80	45,456
CDS150716	150.0	71.0	6.00	10.80	4.80	48,155
CDS150718	150.0	71.0	8.00	12.00	4.00	89,851
CDS150818	150.0	81.0	8.00	11.70	3.70	89,532

CDS1508110	150.0	81.0	10.00	13.00	3.00	139,128
CDS1608243	160.0	82.0	4.30	9.90	5.60	21,843
CDS160826	160.0	82.0	6.00	10.50	4.50	41,008
CDS1608210	160.0	82.0	10.00	13.50	3.50	138,331
CDS1809248	180.0	92.0	4.80	11.00	6.20	26,442
CDS180926	180.0	92.0	6.00	11.10	5.10	37,502
CDS1809210	180.0	92.0	10.00	14.00	4.00	125,417
CDS1809213	180.0	92.0	13.00	16.50	3.50	237,883
CDS200828	200.0	82.0	8.00	14.20	6.20	78,034
CDS2008210	200.0	82.0	10.00	15.50	5.50	129,445
CDS2008212	200.0	82.0	12.00	16.60	4.60	182,737
CDS2009210	200.0	92.0	10.00	15.60	5.60	137,688
CDS2009212	200.0	92.0	12.00	16.80	4.80	199,269
CDS2009214	200.0	92.0	14.00	18.10	4.10	267,227
CDS20010255	200.0	102.0	5.50	12.50	7.00	36,111
CDS2001028	200.0	102.0	8.00	13.60	5.60	76,378
CDS20010210	200.0	102.0	10.00	15.60	5.60	145,357
CDS20010212	200.0	102.0	12.00	16.20	4.20	183,020
CDS20010214	200.0	102.0	14.00	18.20	4.20	289,181
CDS20011212	200.0	112.0	12.00	16.20	4.20	195,830
CDS20011214	200.0	112.0	14.00	17.50	3.50	256,758
CDS20011216	200.0	112.0	16.00	18.80	2.80	305,100
CDS22511265	225.0	112.0	6.50	13.00	6.50	39,775
CDS2251128	225.0	112.0	8.00	14.50	6.50	70,749
CDS22511212	225.0	112.0	12.00	17.00	5.00	171,016
CDS25010210	250.0	102.0	10.00	18.00	8.00	126,387
CDS25010212	250.0	102.0	12.00	19.00	7.00	182,962
CDS2501277	250.0	127.0	7.00	14.80	7.80	50,466
CDS25012710	250.0	127.0	10.00	17.00	7.00	119,053
CDS25012712	250.0	127.0	12.00	19.30	7.30	210,806
CDS25012714	250.0	127.0	14.00	19.60	5.60	248,828
CDS25012716	250.0	127.0	16.00	21.80	5.80	383,017