

Original SCHNORR® disc springs standard material							dia. 200 - 250 mm						
Article number/ Order reference	Ordering dimensions						Weight per 1000 pieces [kg]	Spring travel s and force F					
	D _e [mm]	D _i [mm]	t [mm]	t' [mm]	l _o [mm]	h _o [mm]		at s = 0.25 h _o		at s = 0.50 h _o		at s = 0.75 h _o	
							s [mm]	F [N]	s [mm]	F [N]	s [mm]	F [N]	
023 300	200.00	112.00	16.00	14.80	18.80	2.80	2493.000	0.700	105268	1.400	206697	2.100	305100
023 350 C	225.00	112.00	6.50	6.20	13.60	7.10	1450.000	1.775	23583	3.550	37417	5.325	44580
023 400 B	225.00	112.00	8.00	7.50	14.50	6.50	1754.000	1.625	32870	3.250	55412	4.875	70749
023 500 A	225.00	112.00	12.00	11.25	17.00	5.00	2631.000	1.250	64497	2.500	120738	3.750	171016
023 600	250.00	102.00	10.00	9.60	18.00	8.00	3075.000	2.000	56867	4.000	97282	6.000	126387
023 700	250.00	102.00	12.00	11.50	19.00	7.00	3683.000	1.750	73563	3.500	133131	5.250	182962
023 750 C	250.00	127.00	7.00	6.70	14.80	7.80	1909.000	1.950	26895	3.900	42527	5.850	50466
023 800 B	250.00	127.00	10.00	9.40	17.00	7.00	2678.000	1.750	51871	3.500	90206	5.250	119053
023 900	250.00	127.00	12.00	11.25	19.30	7.30	3205.000	1.825	87633	3.650	156021	5.475	210806
024 000 A	250.00	127.00	14.00	13.10	19.60	5.60	3732.000	1.400	93239	2.800	175145	4.200	248828
024 100	250.00	127.00	16.00	15.00	21.80	5.80	4273.000	1.450	140941	2.900	267296	4.350	383017

Corrosion-resistant SCHNORR® disc springs, material 1.4310 (X10 CrNi 18-8)							dia. 6 - 15 mm						
Article number/ Order reference	Ordering dimensions						Weight per 1000 pieces [kg]	Spring travel s and force F					
	D _e [mm]	D _i [mm]	t [mm]	l _o [mm]	h _o [mm]			at s = 0.25 h _o		at s = 0.50 h _o		at s = 0.75 h _o	
							s [mm]	F [N]	s [mm]	F [N]	s [mm]	F [N]	
024 650	6.00	3.20	0.30	0.45	0.15	0.047	0.038	41	0.075	77	0.113	110	
025 250	8.00	3.20	0.20	0.40	0.20	0.066	0.050	11	0.100	19	0.150	24	
025 400	8.00	3.20	0.30	0.55	0.25	0.098	0.063	42	0.125	73	0.188	96	
025 700	8.00	3.20	0.40	0.55	0.15	0.131	0.038	45	0.075	87	0.113	126	
026 300	8.00	3.20	0.50	0.70	0.20	0.166	0.050	119	0.100	227	0.150	330	
026 700	8.00	4.20	0.20	0.45	0.25	0.057	0.063	20	0.125	31	0.188	36	
027 100	8.00	4.20	0.30	0.50	0.20	0.085	0.050	34	0.100	61	0.150	84	
027 400	8.00	4.20	0.40	0.60	0.20	0.113	0.050	72	0.100	136	0.150	193	
028 910	10.00	3.20	0.30	0.65	0.35	0.165	0.088	47	0.175	75	0.263	91	
029 101	10.00	3.20	0.40	0.70	0.30	0.220	0.075	69	0.150	123	0.225	165	
029 301	10.00	3.20	0.50	0.70	0.20	0.274	0.050	73	0.100	140	0.150	203	
029 602	10.00	4.20	0.40	0.70	0.30	0.202	0.075	73	0.150	130	0.225	175	
029 701	10.00	4.20	0.50	0.70	0.20	0.252	0.050	77	0.100	148	0.150	214	
030 290	10.00	5.20	0.25	0.55	0.30	0.112	0.075	28	0.150	45	0.225	53	
030 800	10.00	5.20	0.40	0.65	0.25	0.179	0.063	62	0.125	113	0.188	157	
031 000	10.00	5.20	0.50	0.70	0.20	0.223	0.050	85	0.100	163	0.150	237	
032 040	12.00	4.20	0.40	0.80	0.40	0.309	0.100	79	0.200	130	0.300	165	
032 500	12.00	4.20	0.50	0.80	0.30	0.386	0.075	86	0.150	158	0.225	220	
032 704	12.00	4.20	0.60	0.85	0.25	0.463	0.063	111	0.125	213	0.188	308	
033 400	12.00	5.20	0.50	0.80	0.30	0.357	0.075	91	0.150	166	0.225	232	
033 500	12.00	5.20	0.60	0.85	0.25	0.429	0.063	118	0.125	225	0.188	325	
034 200	12.00	6.20	0.50	0.85	0.35	0.323	0.088	123	0.175	221	0.263	301	
034 550	12.00	6.20	0.60	0.85	0.25	0.387	0.063	128	0.125	245	0.188	355	
035 040	12.50	5.20	0.50	0.85	0.35	0.395	0.088	103	0.175	184	0.263	251	
035 103	12.50	6.20	0.35	0.80	0.45	0.253	0.113	77	0.225	120	0.338	140	
035 400	12.50	6.20	0.50	0.85	0.35	0.361	0.088	111	0.175	198	0.263	271	
035 601	12.50	6.20	0.70	0.95	0.25	0.504	0.063	178	0.125	344	0.188	503	
038 353	14.00	7.20	0.35	0.80	0.45	0.310	0.113	63	0.225	98	0.338	114	
038 600	14.00	7.20	0.50	0.90	0.40	0.442	0.100	111	0.200	194	0.300	258	
039 040	14.00	7.20	0.80	1.05	0.25	0.706	0.063	213	0.125	414	0.188	609	
039 500	15.00	5.20	0.40	0.95	0.55	0.486	0.138	93	0.275	142	0.413	162	
039 800	15.00	5.20	0.50	1.00	0.50	0.607	0.125	123	0.250	204	0.375	257	
039 971	15.00	5.20	0.60	1.05	0.45	0.728	0.113	158	0.225	279	0.338	376	

Corrosion-resistant SCHNORR® disc springs, material 1.4310 (X10 CrNi 18-8)

dia. 15 - 25 mm

Article number/ Order reference	Ordering dimensions					Weight per 1000 pieces [kg]	Spring travel s and force F					
	D _e [mm]	D _i [mm]	t [mm]	l _o [mm]	h _o [mm]		at s = 0.25 h _o		at s = 0.50 h _o		at s = 0.75 h _o	
						s [mm]	F [N]	s [mm]	F [N]	s [mm]	F [N]	
040 130	15.00	5.20	0.70	1.10	0.40	0.849	0.100	197	0.200	365	0.300	512
040 950	15.00	6.20	0.50	1.00	0.50	0.572	0.125	128	0.250	212	0.375	267
041 301	15.00	6.20	0.60	1.00	0.40	0.687	0.100	137	0.200	248	0.300	341
041 700	15.00	6.20	0.70	1.05	0.35	0.801	0.088	172	0.175	323	0.263	461
042 400	15.00	8.20	0.70	1.00	0.30	0.677	0.075	164	0.150	312	0.225	451
042 601	15.00	8.20	0.80	1.10	0.30	0.773	0.075	238	0.150	459	0.225	668
043 750	16.00	8.20	0.40	0.90	0.50	0.464	0.125	77	0.250	121	0.375	142
044 000	16.00	8.20	0.60	1.05	0.45	0.695	0.113	159	0.225	281	0.338	378
044 101	16.00	8.20	0.70	1.05	0.35	0.811	0.088	167	0.175	313	0.263	446
044 201	16.00	8.20	0.80	1.10	0.30	0.926	0.075	200	0.150	386	0.225	562
044 400	16.00	8.20	0.90	1.20	0.30	1.042	0.075	280	0.150	543	0.225	796
045 800	18.00	6.20	0.40	1.00	0.60	0.702	0.150	78	0.300	116	0.450	128
046 003	18.00	6.20	0.50	1.10	0.60	0.878	0.150	120	0.300	190	0.450	226
046 252	18.00	6.20	0.60	1.20	0.60	1.053	0.150	176	0.300	293	0.450	369
046 400	18.00	6.20	0.70	1.25	0.55	1.228	0.138	218	0.275	382	0.413	510
046 505	18.00	6.20	0.80	1.30	0.50	1.403	0.125	264	0.250	482	0.375	669
046 924	18.00	8.20	0.50	1.10	0.60	0.789	0.150	129	0.300	205	0.450	244
047 070	18.00	8.20	0.70	1.20	0.50	1.104	0.125	203	0.250	362	0.375	492
047 300	18.00	8.20	0.80	1.25	0.45	1.262	0.113	247	0.225	457	0.338	643
047 691	18.00	8.20	1.00	1.35	0.35	1.576	0.088	335	0.175	649	0.263	948
047 910	18.00	9.20	0.45	1.05	0.60	0.662	0.150	111	0.300	171	0.450	197
048 050	18.00	9.20	0.70	1.20	0.50	1.029	0.125	215	0.250	384	0.375	522
048 098	18.00	9.20	1.00	1.35	0.35	1.469	0.088	356	0.175	689	0.263	1006
048 051	20.00	8.20	0.50	1.15	0.65	1.029	0.163	118	0.325	183	0.488	213
051 100	20.00	8.20	0.60	1.30	0.70	1.226	0.175	198	0.350	316	0.525	380
052 270	20.00	8.20	0.70	1.35	0.65	1.430	0.163	241	0.325	408	0.488	524
051 450	20.00	8.20	0.80	1.40	0.60	1.634	0.150	291	0.300	514	0.450	693
051 701	20.00	8.20	0.90	1.45	0.55	1.838	0.138	345	0.275	632	0.413	880
051 761	20.00	8.20	1.00	1.45	0.45	2.042	0.113	352	0.225	669	0.338	962
052 803	20.00	10.20	0.50	1.15	0.65	0.910	0.163	130	0.325	202	0.488	234
052 804	20.00	10.20	0.60	1.20	0.60	1.098	0.150	163	0.300	271	0.450	342
053 500	20.00	10.20	0.80	1.35	0.55	1.454	0.138	281	0.275	504	0.413	690
053 701	20.00	10.20	0.90	1.40	0.50	1.635	0.125	334	0.250	619	0.375	872
053 901	20.00	10.20	1.00	1.40	0.40	1.817	0.100	336	0.200	645	0.300	936
054 380	20.00	10.20	1.10	1.50	0.40	1.998	0.100	440	0.200	850	0.300	1240
0552 80	20.00	10.20	1.25	1.55	0.30	2.269	0.075	463	0.150	911	0.225	1349
055 650	20.00	10.20	1.50	1.75	0.25	2.721	0.063	654	0.125	1297	0.188	1934
057 710	22.50	11.20	0.60	1.40	0.80	1.406	0.200	222	0.400	341	0.600	393
057 903	22.50	11.20	0.80	1.45	0.65	1.873	0.163	283	0.325	492	0.488	653
058 050	22.50	11.20	1.25	1.65	0.40	2.924	0.100	494	0.200	961	0.300	1411
058 950	23.00	8.20	0.70	1.50	0.80	1.987	0.200	258	0.400	414	0.600	501
059 210	23.00	8.20	0.80	1.55	0.75	2.271	0.188	306	0.375	517	0.563	663
059 400	23.00	8.20	0.90	1.60	0.70	2.554	0.175	361	0.350	633	0.525	848
059 504	23.00	8.20	1.00	1.60	0.60	2.838	0.150	375	0.300	689	0.450	962
060 460	23.00	10.20	0.90	1.55	0.65	2.352	0.163	341	0.325	608	0.488	825
060 600	23.00	10.20	1.00	1.60	0.60	2.613	0.150	398	0.300	731	0.450	1020
060 901	23.00	10.20	1.25	1.70	0.45	3.264	0.113	512	0.225	989	0.338	1444
001 922	23.00	12.20	1.00	1.60	0.60	2.337	0.150	438	0.300	804	0.450	1122
061 600	23.00	12.20	1.25	1.65	0.40	2.919	0.100	492	0.200	958	0.300	1406
061 951	23.00	12.20	1.50	1.85	0.35	3.501	0.088	722	0.175	1423	0.263	2110
063 872	25.00	10.20	1.00	1.70	0.70	3.205	0.175	409	0.350	732	0.525	998

Corrosion-resistant SCHNORR® disc springs, material 1.4310 (X10 CrNi 18-8)

dia. 31.5 - 56 mm

Article number/ Order reference	Ordering dimensions					Weight per 1000 pieces [kg]	Spring travel s and force F					
	D _e [mm]	D _i [mm]	t [mm]	l _o [mm]	h _o [mm]		at s = 0.25 h _o		at s = 0.50 h _o		at s = 0.75 h _o	
						s [mm]	F [N]	s [mm]	F [N]	s [mm]	F [N]	
082 253	31.50	12.20	1.00	2.10	1.10	5.191	0.275	541	0.550	877	0.825	1076
081 505	31.50	12.20	1.25	2.15	0.90	6.486	0.225	646	0.450	1152	0.675	1564
082 303	31.50	12.20	1.50	2.25	0.75	7.781	0.188	808	0.375	1519	0.563	2164
082 801	31.50	16.30	0.80	1.85	1.05	3.577	0.263	355	0.525	548	0.788	634
083 370	31.50	16.30	1.25	2.00	0.75	5.584	0.188	561	0.375	1029	0.563	1437
083 800	31.50	16.30	1.50	2.15	0.65	6.698	0.163	763	0.325	1454	0.488	2097
084 493	31.50	16.30	1.75	2.30	0.55	7.811	0.138	972	0.275	1892	0.413	2779
084 800	31.50	16.30	2.00	2.50	0.50	8.923	0.125	1289	0.250	2534	0.375	3750
087 900	34.00	12.30	1.00	2.25	1.25	6.187	0.313	588	0.625	920	0.938	1083
088 046	34.00	12.30	1.25	2.35	1.10	7.732	0.275	752	0.550	1287	0.825	1677
088 300	34.00	12.30	1.50	2.40	0.90	9.275	0.225	872	0.450	1600	0.675	2234
089 321	34.00	14.30	1.25	2.30	1.05	7.321	0.263	723	0.525	1250	0.788	1646
089 400	34.00	14.30	1.50	2.35	0.85	8.783	0.213	837	0.425	1549	0.638	2178
090 500	34.00	16.30	1.50	2.30	0.80	8.216	0.200	815	0.400	1520	0.600	2151
091 100	34.00	16.30	2.00	2.60	0.60	10.946	0.150	1293	0.300	2523	0.450	3713
004 543	35.50	18.30	0.90	2.05	1.15	5.132	0.288	422	0.575	657	0.863	767
093 683	35.50	18.30	2.00	2.65	0.65	11.325	0.163	1352	0.325	2628	0.488	3855
094 000	35.50	18.30	1.25	2.25	1.00	7.124	0.250	674	0.500	1178	0.750	1567
093 683	35.50	18.30	2.00	2.65	0.65	11.385	0.163	1352	0.325	2628	0.488	3855
099 423	40.00	14.30	1.25	2.65	1.40	10.752	0.350	834	0.700	1346	1.050	1642
099 461	40.00	14.30	1.50	2.75	1.25	12.899	0.313	1028	0.625	1780	0.938	2348
099 833	40.00	14.30	2.00	2.90	0.90	17.189	0.225	1365	0.450	2593	0.675	3729
100 503	40.00	16.30	1.50	2.70	1.20	12.332	0.300	992	0.600	1732	0.900	2304
100 801	40.00	16.30	2.00	2.90	0.90	16.433	0.225	1406	0.450	2671	0.675	3842
101 755	40.00	18.30	2.00	2.85	0.85	15.584	0.213	1367	0.425	2610	0.638	3770
102 531	40.00	20.40	1.00	2.30	1.30	7.300	0.325	521	0.650	808	0.975	938
103 000	40.00	20.40	1.50	2.60	1.10	10.942	0.275	955	0.550	1697	0.825	2296
103 500	40.00	20.40	2.00	2.80	0.80	14.580	0.200	1345	0.400	2580	0.600	3743
103 953	40.00	20.40	2.25	2.95	0.70	16.397	0.175	1613	0.350	3143	0.525	4618
104 465	40.00	20.40	2.50	3.15	0.65	18.212	0.163	2017	0.325	3961	0.488	5856
110 412	45.00	22.40	1.25	2.90	1.65	11.746	0.413	1023	0.825	1578	1.238	1822
110 501	45.00	22.40	1.75	2.95	1.20	16.434	0.300	1247	0.600	2241	0.900	3068
110 901	45.00	22.40	2.50	3.35	0.85	23.457	0.213	2116	0.425	4105	0.638	6008
115 970	50.00	18.40	1.25	2.85	1.60	16.679	0.400	698	0.800	1086	1.200	1268
116 300	50.00	18.40	1.50	3.30	1.80	20.011	0.450	1272	0.900	2015	1.350	2404
116 653	50.00	18.40	2.00	3.45	1.45	26.669	0.363	1680	0.725	2990	1.088	4054
116 901	50.00	18.40	2.50	3.65	1.15	33.323	0.288	2203	0.575	4176	0.863	5996
117 400	50.00	20.40	2.00	3.40	1.40	25.710	0.350	1634	0.700	2927	1.050	3993
117 703	50.00	20.40	2.50	3.60	1.10	32.123	0.275	2138	0.550	4070	0.825	5864
118 401	50.00	22.40	2.00	3.30	1.30	24.652	0.325	1515	0.650	2747	0.975	3792
000 227	50.00	22.40	2.50	3.60	1.10	30.800	0.275	2209	0.550	4204	0.825	6057
119 950	50.00	25.40	1.25	2.85	1.60	14.248	0.400	787	0.800	1225	1.200	1430
120 103	50.00	25.40	1.50	3.10	1.60	17.168	0.400	1145	0.800	1871	1.200	2317
120 400	50.00	25.40	2.00	3.30	1.30	22.878	0.325	1613	0.650	2926	0.975	4039
120 801	50.00	25.40	2.50	3.50	1.00	28.582	0.250	2097	0.500	4022	0.750	5834
128 599	56.00	28.50	1.50	3.45	1.95	21.495	0.488	1345	0.975	2084	1.463	2419
128 600	56.00	28.50	2.00	3.60	1.60	28.646	0.400	1761	0.800	3076	1.200	4093

Article number/ Order reference	Ordering dimensions					Weight per 1000 pieces [kg]	Spring travel s and force F					
	D _e [mm]	D _i [mm]	t [mm]	l _o [mm]	h _o [mm]		at s = 0.25 h _o		at s = 0.50 h _o		at s = 0.75 h _o	
						s [mm]	F [N]	s [mm]	F [N]	s [mm]	F [N]	
131 001	60.00	20.50	2.00	4.10	2.10	39.235	0.525	2138	1.050	3507	1.575	4363
003 158	60.00	20.50	2.50	4.05	1.55	49.027	0.388	2239	0.775	4092	1.163	5687
131 801	60.00	25.50	2.50	4.10	1.60	45.471	0.400	2463	0.800	4479	1.200	6196
113 193	60.00	30.50	2.50	4.00	1.50	41.157	0.375	2444	0.750	4488	1.125	6265
138 221	63.00	31.00	1.80	4.10	2.30	33.419	0.575	2086	1.150	3248	1.725	3792
138 503	63.00	31.00	2.50	4.15	1.65	46.389	0.413	2489	0.825	4504	1.238	6202
144 401	70.00	25.50	2.00	4.50	2.50	52.479	0.625	2221	1.250	3478	1.875	4093
146 250	70.00	30.50	2.50	4.70	2.20	61.266	0.550	2984	1.100	5106	1.650	6653
153 014	71.00	36.00	2.00	4.60	2.60	46.249	0.650	2639	1.300	4088	1.950	4744
153 110	71.00	36.00	2.50	4.50	2.00	57.789	0.500	2669	1.000	4662	1.500	6203
159 600	80.00	31.00	2.50	5.30	2.80	84.001	0.700	3393	1.400	5472	2.100	6677
161 220	80.00	41.00	2.25	5.20	2.95	65.586	0.738	3410	1.475	5271	2.213	6099
169 200	90.00	46.00	2.50	5.70	3.20	92.370	0.800	3903	1.600	6073	2.400	7087