

# Original SCHNORR® disc springs

## The following dimension tables describe:

- > Standard materials (C75S and 51CrV4)
- > Corrosion-resistant materials (X10 CrNi 18-8)

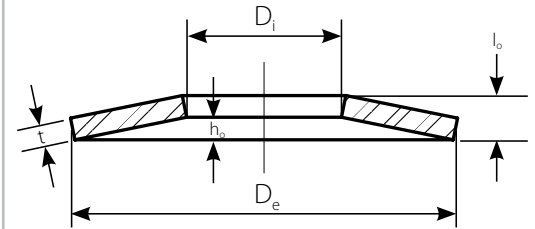
Page 11-16  
Page 16-19

## Further versions:

Furthermore, we also manufacture from special materials, such as:

- > Steel grades for higher temperatures (X22 CrMoV 12-1, X39 CrMo 17-1)
- > Copper alloys (CuSn 8, CuBe 2)
- > Nickel and cobalt alloys (Nimonic 90, Inconel X750, Inconel 718)
- > and other material grades

For this, please see our material grade overview table on pages 38 and 39



## Reference for a disc spring

$D_e = 40 \text{ mm}$ ,  $D_i = 20.4 \text{ mm}$ ,  $t = 1.5 \text{ mm}$ :  
Disc spring 40 x 20.4 x 1.5  
according to DIN 2093: DIN 2093-B 40  
or Article no. 012 800

## Original SCHNORR® disc springs standard material

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]	$t'$ [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]	
000 100	6.00	3.20	0.30		0.45	0.15	0.038	45	0.075	84	0.113	119	
000 200	8.00	3.20	0.20		0.40	0.20	0.050	12	0.100	21	0.150	26	
000 300	8.00	3.20	0.30		0.55	0.25	0.063	46	0.125	79	0.188	104	
000 400	8.00	3.20	0.40		0.60	0.20	0.050	69	0.100	130	0.150	186	
000 550 C	<b>8.00</b>	<b>4.20</b>	<b>0.20</b>		0.45	0.25	0.063	21	0.125	33	0.188	39	
000 600 B	<b>8.00</b>	<b>4.20</b>	<b>0.30</b>		0.55	0.25	0.063	52	0.125	89	0.188	118	
000 700 A	<b>8.00</b>	<b>4.20</b>	<b>0.40</b>		0.60	0.20	0.050	78	0.100	147	0.150	210	
000 800	10.00	3.20	0.30		0.65	0.35	0.088	51	0.175	82	0.263	98	
000 900	10.00	3.20	0.40		0.70	0.30	0.075	75	0.150	133	0.225	179	
001 000	10.00	3.20	0.50		0.75	0.25	0.063	104	0.125	196	0.188	279	
001 100	10.00	4.20	0.40		0.70	0.30	0.075	79	0.150	140	0.225	189	
001 200	10.00	4.20	0.50		0.75	0.25	0.063	110	0.125	206	0.188	294	
001 300 C	<b>10.00</b>	<b>5.20</b>	<b>0.25</b>		0.55	0.30	0.075	31	0.150	48	0.225	58	
001 400 B	<b>10.00</b>	<b>5.20</b>	<b>0.40</b>		0.70	0.30	0.075	88	0.150	155	0.225	209	
001 500 A	<b>10.00</b>	<b>5.20</b>	<b>0.50</b>		0.75	0.25	0.063	122	0.125	228	0.188	325	
001 600	12.00	4.20	0.40		0.80	0.40	0.100	85	0.200	141	0.300	178	
001 700	12.00	4.20	0.50		0.85	0.35	0.088	116	0.175	208	0.263	284	
001 800	12.00	4.20	0.60		1.00	0.40	0.100	224	0.200	405	0.300	557	
001 900	12.00	5.20	0.50		0.90	0.40	0.100	151	0.200	263	0.300	350	
002 000	12.00	5.20	0.60		0.95	0.35	0.088	196	0.175	361	0.263	506	
002 100	12.00	6.20	0.50		0.85	0.35	0.088	134	0.175	239	0.263	326	
002 200	12.00	6.20	0.60		0.95	0.35	0.088	214	0.175	394	0.263	552	
002 300	12.50	5.20	0.50		0.85	0.35	0.088	111	0.175	200	0.263	272	
002 050 C	<b>12.50</b>	<b>6.20</b>	<b>0.35</b>		0.80	0.45	0.113	84	0.225	130	0.338	151	
002 500 B	<b>12.50</b>	<b>6.20</b>	<b>0.50</b>		0.85	0.35	0.088	120	0.175	215	0.263	294	
002 700 A	<b>12.50</b>	<b>6.20</b>	<b>0.70</b>		1.00	0.30	0.075	240	0.150	457	0.225	660	
002 750 C	<b>14.00</b>	<b>7.20</b>	<b>0.35</b>		0.80	0.45	0.113	68	0.225	106	0.338	123	
002 800 B	<b>14.00</b>	<b>7.20</b>	<b>0.50</b>		0.90	0.40	0.100	120	0.200	210	0.300	279	
002 900 A	<b>14.00</b>	<b>7.20</b>	<b>0.80</b>		1.10	0.30	0.075	284	0.150	547	0.225	797	
003 000	15.00	5.20	0.40		0.95	0.55	0.138	101	0.275	154	0.413	176	
003 100	15.00	5.20	0.50		1.00	0.50	0.125	133	0.250	221	0.375	278	
003 200	15.00	5.20	0.60		1.05	0.45	0.113	171	0.225	302	0.338	407	
003 300	15.00	5.20	0.70		1.10	0.40	0.100	214	0.200	395	0.300	555	
003 500	15.00	6.20	0.50		1.00	0.50	0.125	138	0.250	230	0.375	289	
003 600	15.00	6.20	0.60		1.05	0.45	0.113	178	0.225	314	0.338	424	
003 700	15.00	6.20	0.70		1.10	0.40	0.100	222	0.200	411	0.300	578	
003 800	15.00	8.20	0.70		1.10	0.40	0.100	256	0.200	474	0.300	666	
003 900	15.00	8.20	0.80		1.20	0.40	0.100	367	0.200	689	0.300	982	

## Original SCHNORR® disc springs standard material

dia. 16 - 23 mm

Article number/ Order reference	Ordering dimensions						Weight	Spring travel s and force F					
	D <sub>e</sub> [mm]	D <sub>i</sub> [mm]	t [mm]	t' [mm]	l <sub>o</sub> [mm]	h <sub>o</sub> [mm]		per 1000 pieces [kg]	at s = 0.25 h <sub>o</sub>		at s = 0.50 h <sub>o</sub>		at s = 0.75 h <sub>o</sub>
							s [mm]		F [N]	s [mm]	F [N]	s [mm]	F [N]
004 100 C	<b>16.00</b>	<b>8.20</b>	<b>0.40</b>		0.90	0.50	0.444	0.125	84	0.250	131	0.375	154
004 300 B	<b>16.00</b>	<b>8.20</b>	<b>0.60</b>		1.05	0.45	0.672	0.113	172	0.225	304	0.338	410
004 400	16.00	8.20	0.70		1.15	0.45	0.786	0.113	254	0.225	461	0.338	637
004 500	16.00	8.20	0.80		1.20	0.40	0.888	0.100	308	0.200	579	0.300	825
004 600 A	<b>16.00</b>	<b>8.20</b>	<b>0.90</b>		1.25	0.35	1.002	0.088	363	0.175	697	0.263	1013
004 700	18.00	6.20	0.40		1.00	0.60	0.677	0.150	85	0.300	126	0.450	139
004 800	18.00	6.20	0.50		1.10	0.60	0.850	0.150	130	0.300	206	0.450	246
004 900	18.00	6.20	0.60		1.20	0.60	1.024	0.150	191	0.300	317	0.450	400
005 000	18.00	6.20	0.70		1.25	0.55	1.197	0.138	236	0.275	414	0.413	553
005 100	18.00	6.20	0.80		1.30	0.50	1.353	0.125	286	0.250	523	0.375	726
005 200	18.00	8.20	0.50		1.10	0.60	0.762	0.150	140	0.300	222	0.450	265
005 300	18.00	8.20	0.70		1.25	0.55	1.073	0.138	255	0.275	446	0.413	596
005 400	18.00	8.20	0.80		1.30	0.50	1.213	0.125	309	0.250	564	0.375	783
005 500	18.00	8.20	1.00		1.40	0.40	1.524	0.100	425	0.200	815	0.300	1181
005 550 C	<b>18.00</b>	<b>9.20</b>	<b>0.45</b>		1.05	0.60	0.651	0.150	121	0.300	186	0.450	214
005 600 B	<b>18.00</b>	<b>9.20</b>	<b>0.70</b>		1.20	0.50	0.999	0.125	233	0.250	417	0.375	566
005 700 A	<b>18.00</b>	<b>9.20</b>	<b>1.00</b>		1.40	0.40	1.418	0.100	451	0.200	865	0.300	1254
005 800	20.00	8.20	0.60		1.30	0.70	1.191	0.175	214	0.350	342	0.525	412
005 900	20.00	8.20	0.70		1.35	0.65	1.393	0.163	262	0.325	442	0.488	569
006 000	20.00	8.20	0.80		1.40	0.60	1.574	0.150	315	0.300	557	0.450	751
006 100	20.00	8.20	0.90		1.45	0.55	1.776	0.138	374	0.275	685	0.413	954
006 200	20.00	8.20	1.00		1.55	0.55	1.978	0.138	494	0.275	918	0.413	1295
006 300 C	<b>20.00</b>	<b>10.20</b>	<b>0.50</b>		1.15	0.65	0.876	0.163	141	0.325	219	0.488	254
006 400 B	<b>20.00</b>	<b>10.20</b>	<b>0.80</b>		1.35	0.55	1.394	0.138	304	0.275	547	0.413	748
006 500	20.00	10.20	0.90		1.45	0.55	1.573	0.138	412	0.275	754	0.413	1050
006 600	20.00	10.20	1.00		1.55	0.55	1.752	0.138	544	0.275	1010	0.413	1425
006 700 A	<b>20.00</b>	<b>10.20</b>	<b>1.10</b>		1.55	0.45	1.913	0.113	548	0.225	1050	0.338	1521
006 800	20.00	10.20	1.25		1.75	0.50	2.181	0.125	890	0.250	1708	0.375	2477
006 900	20.00	10.20	1.50		1.80	0.30	2.610	0.075	857	0.150	1695	0.225	2521
007 000 C	<b>22.50</b>	<b>11.20</b>	<b>0.60</b>		1.40	0.80	1.361	0.200	241	0.400	370	0.600	426
007 100 B	<b>22.50</b>	<b>11.20</b>	<b>0.80</b>		1.45	0.65	1.799	0.163	306	0.325	533	0.488	708
007 200 A	<b>22.50</b>	<b>11.20</b>	<b>1.25</b>		1.75	0.50	2.814	0.125	693	0.250	1330	0.375	1929
007 400	23.00	8.20	0.70		1.50	0.80	1.939	0.200	280	0.400	448	0.600	544
007 500	23.00	8.20	0.80		1.55	0.75	2.192	0.188	332	0.375	560	0.563	719
007 600	23.00	8.20	0.90		1.60	0.70	2.472	0.175	391	0.350	687	0.525	919
007 700	23.00	8.20	1.00		1.70	0.70	2.753	0.175	507	0.350	909	0.525	1240
007 800	23.00	10.20	0.90		1.65	0.75	2.270	0.188	463	0.375	802	0.563	1058
007 900	23.00	10.20	1.00		1.70	0.70	2.527	0.175	538	0.350	964	0.525	1315
008 000	23.00	10.20	1.25		1.90	0.65	3.172	0.163	870	0.325	1627	0.488	2310
008 100	23.00	12.20	1.00		1.60	0.60	2.255	0.150	475	0.300	872	0.450	1217
008 200	23.00	12.20	1.25		1.85	0.60	2.807	0.150	864	0.300	1630	0.450	2331
008 350	23.00	12.20	1.50		2.00	0.50	3.359	0.125	1159	0.250	2250	0.375	3297

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]	
008 600	25.00	10.20	1.00		1.75	0.75	3.105	0.188	492	0.375	870	0.563	1172
008 700 C	<b>25.00</b>	<b>12.20</b>	<b>0.70</b>		1.60	0.90	1.994	0.225	331	0.450	515	0.675	600
008 800 B	<b>25.00</b>	<b>12.20</b>	<b>0.90</b>		1.60	0.70	2.543	0.175	367	0.350	644	0.525	862
008 900	25.00	12.20	1.00		1.80	0.80	2.832	0.200	585	0.400	1021	0.600	1359
009 000	25.00	12.20	1.25		1.95	0.70	3.526	0.175	848	0.350	1573	0.525	2214
009 100 A	<b>25.00</b>	<b>12.20</b>	<b>1.50</b>		2.05	0.55	4.219	0.138	1040	0.275	2007	0.413	2926
009 200	28.00	10.20	0.80		1.75	0.95	3.233	0.238	348	0.475	553	0.713	662
009 300	28.00	10.20	1.00		1.90	0.90	4.062	0.225	512	0.450	872	0.675	1130
009 400	28.00	10.20	1.25		2.05	0.80	5.057	0.200	737	0.400	1339	0.600	1853
009 500	28.00	10.20	1.50		2.20	0.70	6.051	0.175	1003	0.350	1899	0.525	2723
009 600	28.00	12.20	1.00		1.95	0.95	3.789	0.238	590	0.475	992	0.713	1268
009 700	28.00	12.20	1.25		2.10	0.85	4.717	0.213	844	0.425	1519	0.638	2083
009 800	28.00	12.20	1.50		2.25	0.75	5.645	0.188	1149	0.375	2159	0.563	3077
009 900 C	<b>28.00</b>	<b>14.20</b>	<b>0.80</b>		1.80	1.00	2.760	0.250	435	0.500	681	0.750	801
010 000 B	<b>28.00</b>	<b>14.20</b>	<b>1.00</b>		1.80	0.80	3.468	0.200	476	0.400	832	0.600	1107
010 100	28.00	14.20	1.25		2.10	0.85	4.317	0.213	908	0.425	1634	0.638	2240
010 200 A	<b>28.00</b>	<b>14.20</b>	<b>1.50</b>		2.15	0.65	5.166	0.163	1033	0.325	1970	0.488	2841
010 300	31.50	12.20	1.00		2.10	1.10	5.035	0.275	587	0.550	951	0.825	1167
010 400	31.50	12.20	1.25		2.20	0.95	6.268	0.238	761	0.475	1343	0.713	1805
010 500	31.50	12.20	1.50		2.35	0.85	7.501	0.213	1033	0.425	1912	0.638	2688
010 650 C	<b>31.50</b>	<b>16.30</b>	<b>0.80</b>		1.85	1.05	3.442	0.263	384	0.525	594	0.788	687
010 700 B	<b>31.50</b>	<b>16.30</b>	<b>1.25</b>		2.15	0.90	5.384	0.225	791	0.450	1409	0.675	1913
010 800	31.50	16.30	1.50		2.40	0.90	6.443	0.225	1260	0.450	2314	0.675	3230
010 900 A	<b>31.50</b>	<b>16.30</b>	<b>1.75</b>		2.45	0.70	7.546	0.175	1391	0.350	2669	0.525	3871
011 000	31.50	16.30	2.00		2.75	0.75	8.605	0.188	2199	0.375	4239	0.563	6173
011 100	34.00	12.30	1.00		2.25	1.25	6.006	0.313	637	0.625	998	0.938	1174
011 200	34.00	12.30	1.25		2.35	1.10	7.477	0.275	815	0.550	1395	0.825	1818
011 300	34.00	12.30	1.50		2.50	1.00	8.948	0.250	1097	0.500	1982	0.750	2725
011 400	34.00	14.30	1.25		2.40	1.15	7.074	0.288	913	0.575	1546	0.863	1993
011 500	34.00	14.30	1.50		2.55	1.05	8.465	0.263	1224	0.525	2192	0.788	2990
011 600	34.00	16.30	1.50		2.55	1.05	7.911	0.263	1291	0.525	2313	0.788	3155
011 700	34.00	16.30	2.00		2.85	0.85	10.570	0.213	2097	0.425	4003	0.638	5783
011 850 C	<b>35.50</b>	<b>18.30</b>	<b>0.90</b>		2.05	1.15	4.952	0.288	458	0.575	713	0.863	832
011 900 B	<b>35.50</b>	<b>18.30</b>	<b>1.25</b>		2.25	1.00	6.865	0.250	731	0.500	1277	0.750	1699
012 000 A	<b>35.50</b>	<b>18.30</b>	<b>2.00</b>		2.80	0.80	10.970	0.200	1864	0.400	3576	0.600	5187
012 100	40.00	14.30	1.25		2.65	1.40	10.400	0.350	904	0.700	1459	1.050	1780
012 200	40.00	14.30	1.50		2.75	1.25	12.450	0.313	1114	0.625	1929	0.938	2545
012 300	40.00	14.30	2.00		3.05	1.05	16.630	0.263	1800	0.525	3363	0.788	4769
012 400	40.00	16.30	1.50		2.80	1.30	11.890	0.325	1225	0.650	2103	0.975	2749
012 500	40.00	16.30	2.00		3.10	1.10	15.890	0.275	1972	0.550	3663	0.825	5169
012 600	40.00	18.30	2.00		3.15	1.15	15.040	0.288	2182	0.575	4030	0.863	5656
012 700 C	<b>40.00</b>	<b>20.40</b>	<b>1.00</b>		2.30	1.30	7.067	0.325	565	0.650	876	0.975	1017
012 800 B	<b>40.00</b>	<b>20.40</b>	<b>1.50</b>		2.65	1.15	10.530	0.288	1109	0.575	1953	0.863	2622
012 900	40.00	20.40	2.00		3.10	1.10	14.060	0.275	2175	0.550	4041	0.825	5701
013 000 A	<b>40.00</b>	<b>20.40</b>	<b>2.25</b>		3.15	0.90	15.720	0.225	2336	0.450	4481	0.675	6500
013 100	40.00	20.40	2.50		3.45	0.95	17.520	0.238	3351	0.475	6453	0.713	9390
013 250 C	<b>45.00</b>	<b>22.40</b>	<b>1.25</b>		2.85	1.60	11.340	0.400	1041	0.800	1620	1.200	1891
013 300 B	<b>45.00</b>	<b>22.40</b>	<b>1.75</b>		3.05	1.30	15.890	0.325	1524	0.650	2701	0.975	3646
013 400 A	<b>45.00</b>	<b>22.40</b>	<b>2.50</b>		3.50	1.00	22.770	0.250	2773	0.500	5320	0.750	7716
013 500	50.00	18.40	1.25		2.85	1.60	16.130	0.400	757	0.800	1178	1.200	1375
013 600	50.00	18.40	1.50		3.30	1.80	19.310	0.450	1379	0.900	2184	1.350	2606

Original SCHNORR® disc springs standard material							dia. 50 - 100 mm						
Article number/ Order reference	Ordering dimensions						Weight	Spring travel s and force F					
	D <sub>e</sub> [mm]	D <sub>i</sub> [mm]	t [mm]	t' [mm]	l <sub>o</sub> [mm]	h <sub>o</sub> [mm]	per 1000 pieces [kg]	at s = 0.25 h <sub>o</sub>		at s = 0.50 h <sub>o</sub>		at s = 0.75 h <sub>o</sub>	
								s [mm]	F [N]	s [mm]	F [N]	s [mm]	F [N]
013 700	50.00	18.40	2.00		3.50	1.50	25.790	0.375	1918	0.750	3393	1.125	4572
013 800	50.00	18.40	2.50		4.10	1.60	32.140	0.400	3703	0.800	6733	1.200	9315
013 900	50.00	18.40	3.00		4.40	1.40	38.350	0.350	5043	0.700	9546	1.050	13688
014 000	50.00	20.40	2.00		3.50	1.50	24.850	0.375	1966	0.750	3478	1.125	4687
014 100	50.00	20.40	2.50		3.85	1.35	30.970	0.338	3008	0.675	5601	1.013	7919
014 200	50.00	22,40	2.00		3.60	1.60	23.820	0.400	2247	0.800	3924	1.200	5222
014 300	50.00	22.40	2.50		3.90	1.40	29.680	0.350	3261	0.700	6044	1.050	8510
014 400 C	<b>50.00</b>	<b>25.40</b>	<b>1.25</b>		2.85	1.60	13.820	0.400	854	0.800	1328	1.200	1550
014 500	50.00	25.40	1.50		3.10	1.60	16.540	0.400	1242	0.800	2029	1.200	2512
014 600 B	<b>50.00</b>	<b>25.40</b>	<b>2.00</b>		3.40	1.40	22.090	0.350	1949	0.700	3491	1.050	4762
014 700	50.00	25.40	2.50		3.90	1.40	27.520	0.350	3473	0.700	6437	1.050	9063
014 800 A	<b>50.00</b>	<b>25.40</b>	<b>3.00</b>		4.10	1.10	32.850	0.275	4255	0.550	8214	0.825	11977
014 950 C	<b>56.00</b>	<b>28.50</b>	<b>1.50</b>		3.45	1.95	20.850	0.488	1458	0.975	2259	1.463	2622
015 000 B	<b>56.00</b>	<b>28.50</b>	<b>2.00</b>		3.60	1.60	27.810	0.400	1910	0.800	3335	1.200	4438
015 100 A	<b>56.00</b>	<b>28.50</b>	<b>3.00</b>		4.30	1.30	41.570	0.325	4142	0.650	7895	0.975	11388
015 200	60.00	20.50	2.00		4.10	2.10	38.160	0.525	2318	1.050	3802	1.575	4730
015 300	60.00	20.50	2.50		4.30	1.80	47.690	0.450	3018	0.900	5379	1.350	7302
015 400	60.00	20.50	3.00		4.70	1.70	57.040	0.425	4449	0.850	8234	1.275	11577
015 500	60.00	25.50	2.50		4.40	1.90	44.200	0.475	3447	0.950	6081	1.425	8175
015 600	60.00	25.50	3.00		4.65	1.65	52.860	0.413	4495	0.825	8352	1.238	11784
015 700	60.00	30.50	2.50		4.30	1.80	39.940	0.450	3447	0.900	6145	1.350	8342
015 800	60.00	30.50	3.00		4.70	1.70	47.770	0.425	5083	0.850	9407	1.275	13226
015 900	60.00	30.50	3.50		5.00	1.50	55.100	0.375	6591	0.750	12574	1.125	18153
016 050 C	<b>63.00</b>	<b>31.00</b>	<b>1.80</b>		4.15	2.35	32.530	0.588	2364	1.175	3658	1.763	4238
016 100 B	<b>63.00</b>	<b>31.00</b>	<b>2.50</b>		4.25	1.75	44.850	0.438	2942	0.875	5270	1.313	7189
016 200	63.00	31.00	3.00		4.80	1.80	53.860	0.450	4891	0.900	8981	1.350	12536
016 300 A	<b>63.00</b>	<b>31.00</b>	<b>3.50</b>		4.90	1.40	62.130	0.350	5399	0.700	10359	1.050	15025
016 400	70.00	25.50	2.00		4.50	2.50	50.780	0.625	2408	1.250	3771	1.875	4437
016 500	70.00	30.50	2.50		4.90	2.40	59.530	0.600	3755	1.200	6297	1.800	8031
016 600	70.00	30.50	3.00		5.10	2.10	71.190	0.525	4676	1.050	8376	1.575	11426
016 700	70.00	35.50	3.00		5.10	2.10	65.210	0.525	5028	1.050	9007	1.575	12288
016 800	70.00	35.50	4.00		5.80	1.80	86.130	0.450	8757	0.900	16634	1.350	23923
016 900	70.00	40.50	4.00		5.60	1.60	77.040	0.400	8391	0.800	16099	1.200	23351
017 000	70.00	40.50	5.00		6.20	1.20	95.150	0.300	11544	0.600	22728	0.900	33672
017 100 C	<b>71.00</b>	<b>36.00</b>	<b>2.00</b>		4.60	2.60	44.660	0.650	2861	1.300	4432	1.950	5144
017 200 B	<b>71.00</b>	<b>36.00</b>	<b>2.50</b>		4.50	2.00	56.110	0.500	2894	1.000	5054	1.500	6725
017 300 A	<b>71.00</b>	<b>36.00</b>	<b>4.00</b>		5.60	1.60	88.630	0.400	7379	0.800	14157	1.200	20535
017 400	80.00	31.00	2.50		5.30	2.80	82.010	0.700	3678	1.400	5933	2.100	7239
017 500	80.00	31.00	3.00		5.50	2.50	98.010	0.625	4531	1.250	7847	1.875	10352
017 600	80.00	31.00	4.00		6.10	2.10	130.000	0.525	7319	1.050	13677	1.575	19394
017 700	80.00	36.00	3.00		5.70	2.70	91.920	0.675	5401	1.350	9196	2.025	11919
017 800	80.00	36.00	4.00		6.20	2.20	121.900	0.550	8164	1.100	15168	1.650	21400
017 850 C	<b>80.00</b>	<b>41.00</b>	<b>2.25</b>		5.20	2.95	63.540	0.738	3698	1.475	5715	2.213	6613
017 900 B	<b>80.00</b>	<b>41.00</b>	<b>3.00</b>		5.30	2.30	84.920	0.575	4450	1.150	7838	1.725	10518
018 000	80.00	41.00	4.00		6.20	2.20	112.600	0.550	8726	1.100	16213	1.650	22874
018 100 A	<b>80.00</b>	<b>41.00</b>	<b>5.00</b>		6.70	1.70	139.500	0.425	11821	0.850	22928	1.275	33559
018 200 C	<b>90.00</b>	<b>46.00</b>	<b>2.50</b>		5.70	3.20	89.740	0.800	4232	1.600	6585	2.400	7684
018 300 B	<b>90.00</b>	<b>46.00</b>	<b>3,50</b>		6.00	2.50	125.300	0.625	5836	1.250	10416	1.875	14161
018 400 A	<b>90.00</b>	<b>46.00</b>	<b>5.00</b>		7.00	2.00	177.600	0.500	11267	1.000	21617	1.500	31354
018 500	100.00	41.00	4.00		7.20	3.20	200.000	0.800	8714	1.600	15219	2.400	20251
018 600	100.00	41.00	5.00		7.75	2.75	248.900	0.688	12345	1.375	22937	2.063	32361

Article number/ Order reference	Ordering dimensions						Weight per 1000 pieces [kg]	Spring travel s and force F					
	D <sub>e</sub> [mm]	D <sub>i</sub> [mm]	t [mm]	t' [mm]	l <sub>o</sub> [mm]	h <sub>o</sub> [mm]		at s = 0.25 h <sub>o</sub>		at s = 0.50 h <sub>o</sub>		at s = 0.75 h <sub>o</sub>	
							s [mm]	F [N]	s [mm]	F [N]	s [mm]	F [N]	
018 750 C	<b>100.00</b>	<b>51.00</b>	<b>2.70</b>		6.20	3.50	120.100	0.875	4779	1.750	7410	2.625	8609
018 800 B	<b>100.00</b>	<b>51.00</b>	<b>3.50</b>		6.30	2.80	155.400	0.700	5624	1.400	9823	2.100	13070
018 900	100.00	51.00	4.00		7.00	3.00	177.600	0.750	8673	1.500	15341	2.250	20674
019 000	100.00	51.00	5.00		7.80	2.80	221.100	0.700	13924	1.400	25810	2.100	36339
019 150 A	<b>100.00</b>	<b>51.00</b>	<b>6.00</b>		8.20	2.20	262.800	0.550	17061	1.100	32937	1.650	48022
019 250 C	<b>112.00</b>	<b>57.00</b>	<b>3.00</b>		6.90	3.90	168.000	0.975	5834	1.950	9038	2.925	10489
019 300 B	<b>112.00</b>	<b>57.00</b>	<b>4.00</b>		7.20	3.20	222.700	0.800	7639	1.600	13341	2.400	17752
019 450 A	<b>112.00</b>	<b>57.00</b>	<b>6.00</b>		8.50	2.50	332.100	0.625	15800	1.250	30215	1.875	43707
019 500	125.00	41.00	4.00		8.20	4.20	338.100	1.050	8501	2.100	13943	3.150	17346
019 600	125.00	51.00	4.00		8.50	4.50	315.600	1.125	10096	2.250	16265	3.375	19817
019 700	125.00	51.00	5.00		8.90	3.90	391.500	0.975	13063	1.950	22931	2.925	30669
019 850	125.00	51.00	6.00		9.40	3.40	465.800	0.850	17027	1.700	31514	2.550	44307
019 900	125.00	61.00	5.00		9.00	4.00	357.600	1.000	14615	2.000	25526	3.000	33966
020 050	125.00	61.00	6.00		9.60	3.60	425.400	0.900	19789	1.800	36336	2.700	50722
020 100	125.00	61.00	8.00	7.50	10.90	2.90	547.300	0.725	34434	1.450	65305	2.175	93577
020 200 C	<b>125.00</b>	<b>64.00</b>	<b>3.50</b>		8.00	4.50	242.300	1.125	8514	2.250	13231	3.375	15416
020 300 B	<b>125.00</b>	<b>64.00</b>	<b>5.00</b>		8.50	3.50	346.200	0.875	12238	1.750	21924	2.625	29908
020 400 A	<b>125.00</b>	<b>64.00</b>	<b>8.00</b>	7.50	10.60	2.60	529.900	0.650	31119	1.300	59520	1.950	85926
020 550	125.00	71.00	6.00		9.30	3.30	377.900	0.825	19538	1.650	36302	2.475	51304
020 600	125.00	71.00	8.00	7.40	10.40	2.40	479.600	0.600	30867	1.200	59149	1.800	85494
020 700	125.00	71.00	10.00	9.20	11.80	1.80	596.300	0.450	42964	0.900	84219	1.350	124124
020 850 C	<b>140.00</b>	<b>72.00</b>	<b>3.80</b>		8.70	4.90	329.700	1.225	9514	2.450	14773	3.675	17195
020 900 B	<b>140.00</b>	<b>72.00</b>	<b>5.00</b>		9.00	4.00	433.200	1.000	12014	2.000	20982	3.000	27920
021 000 A	<b>140.00</b>	<b>72.00</b>	<b>8.00</b>	7.50	11.20	3.20	663.000	0.800	31903	1.600	59967	2.400	85251
021 100	150.00	61.00	5.00		10.30	5.30	565.000	1.325	15292	2.650	25021	3.975	31041
021 250	150.00	61.00	6.00		10.80	4.80	676.800	1.200	19560	2.400	34161	3.600	45456
021 350	150.00	71.00	6.00		10.80	4.80	628.900	1.200	20721	2.400	36189	3.600	48155
021 400	150.00	71.00	8.00	7.50	12.00	4.00	803.600	1.000	35296	2.000	64684	3.000	89851
021 500	150.00	81.00	8.00	7.50	11.70	3.70	732.900	0.925	34518	1.850	63877	2.775	89532
021 600	150.00	81.00	10.00	9.30	13.00	3.00	908.800	0.750	50088	1.500	96121	2.250	139128
021 650 C	<b>160.00</b>	<b>82.00</b>	<b>4.30</b>		9.90	5.60	492.200	1.400	12162	2.800	18833	4.200	21843
021 750 B	<b>160.00</b>	<b>82.00</b>	<b>6.00</b>		10.50	4.50	679.800	1.125	17203	2.250	30431	3.375	41008
021 800 A	<b>160.00</b>	<b>82.00</b>	<b>10.00</b>	9.40	13.50	3.50	1089.000	0.875	50547	1.750	96216	2.625	138331
021 850 C	<b>180.00</b>	<b>92.00</b>	<b>4.80</b>		11.00	6.20	705.300	1.550	14646	3.100	22731	4.650	26442
021 950 B	<b>180.00</b>	<b>92.00</b>	<b>6.00</b>		11.10	5.10	862.500	1.275	16558	2.550	28552	3.825	37502
022 000 A	<b>180.00</b>	<b>92.00</b>	<b>10.00</b>	9.40	14.00	4.00	1381.000	1.000	46850	2.000	88141	3.000	125417
022 100	200.00	82.00	8.00	7.60	14.20	6.20	1554.000	1.550	35029	3.100	60013	4.650	78034
022 200	200.00	82.00	10.00	9.60	15.50	5.50	1962.000	1.375	51105	2.750	93357	4.125	129445
022 300	200.00	82.00	12.00	11.50	16.60	4.60	2351.000	1.150	66924	2.300	127191	3.450	182737
022 400	200.00	92.00	10.00	9.50	15.60	5.60	1840.000	1.400	55136	2.800	100014	4.200	137688
022 500	200.00	92.00	12.00	11.40	16.80	4.80	2208.000	1.200	73913	2.400	139548	3.600	199269
022 600	200.00	92.00	14.00	13.10	18.10	4.10	2537.000	1.025	95633	2.050	184092	3.075	267227
022 650 C	<b>200.00</b>	<b>102.00</b>	<b>5.50</b>		12.50	7.00	999.300	1.750	19817	3.500	30882	5.250	36111
022 700 B	<b>200.00</b>	<b>102.00</b>	<b>8.00</b>	7.50	13.60	5.60	1363.000	1.400	33367	2.800	57955	4.200	76378
022 800	200.00	102.00	10.00	9.40	15.60	5.60	1708.000	1.400	58757	2.800	106099	4.200	145357
022 900 A	<b>200.00</b>	<b>102.00</b>	<b>12.00</b>	11.25	16.20	4.20	2044.000	1.050	66983	2.100	127401	3.150	183020
023 000	200.00	102.00	14.00	13.10	18.20	4.20	2380.000	1.050	103781	2.100	199476	3.150	289181
023 100	200.00	112.00	12.00	11.10	16.20	4.20	1870.000	1.050	72257	2.100	136873	3.150	195830
023 200	200.00	112.00	14.00	12.90	17.50	3.50	2173.000	0.875	91033	1.750	176156	2.625	256758

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 <sub>e</sub> [mm]	D <sub>i</sub> [mm]	t [mm]	t' [mm]	l <sub>o</sub> [mm]	h <sub>o</sub> [mm]		at s = 0.25 h <sub>o</sub>		at s = 0.50 h <sub>o</sub>		at s = 0.75 h <sub>o</sub>	
							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	<b>225.00</b>	<b>112.00</b>	<b>6.50</b>	6.20	13.60	7.10	1450.000	1.775	23583	3.550	37417	5.325	44580
023 400 B	<b>225.00</b>	<b>112.00</b>	<b>8.00</b>	7.50	14.50	6.50	1754.000	1.625	32870	3.250	55412	4.875	70749
023 500 A	<b>225.00</b>	<b>112.00</b>	<b>12.00</b>	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	<b>250.00</b>	<b>127.00</b>	<b>7.00</b>	6.70	14.80	7.80	1909.000	1.950	26895	3.900	42527	5.850	50466
023 800 B	<b>250.00</b>	<b>127.00</b>	<b>10.00</b>	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	<b>250.00</b>	<b>127.00</b>	<b>14.00</b>	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 <sub>e</sub> [mm]	D <sub>i</sub> [mm]	t [mm]	l <sub>o</sub> [mm]	h <sub>o</sub> [mm]	at s = 0.25 h <sub>o</sub>		at s = 0.50 h <sub>o</sub>		at s = 0.75 h <sub>o</sub>			
							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	