

Shewhart Constants for Control Charts

	n	d2	d3	c4	A2	D3	D4	B3	B4
1	2	1.1284	0.8525	0.7979	1.8800	0.0000	3.2665	0.0000	3.2665
2	3	1.6926	0.8884	0.8862	1.0233	0.0000	2.5746	0.0000	2.5682
3	4	2.0588	0.8798	0.9213	0.7286	0.0000	2.2821	0.0000	2.2660
4	5	2.3259	0.8641	0.9400	0.5768	0.0000	2.1145	0.0000	2.0890
5	6	2.5344	0.8480	0.9515	0.4832	0.0000	2.0038	0.0304	1.9696
6	7	2.7044	0.8332	0.9594	0.4193	0.0757	1.9243	0.1177	1.8823
7	8	2.8472	0.8198	0.9650	0.3725	0.1362	1.8638	0.1851	1.8149
8	9	2.9700	0.8078	0.9693	0.3367	0.1840	1.8160	0.2391	1.7609
9	10	3.0775	0.7971	0.9727	0.3083	0.2230	1.7770	0.2837	1.7163
10	11	3.1729	0.7873	0.9754	0.2851	0.2556	1.7444	0.3213	1.6787
11	12	3.2585	0.7785	0.9776	0.2658	0.2833	1.7167	0.3535	1.6465
12	13	3.3360	0.7704	0.9794	0.2494	0.3072	1.6928	0.3816	1.6184
13	14	3.4068	0.7630	0.9810	0.2354	0.3281	1.6719	0.4062	1.5938
14	15	3.4718	0.7562	0.9823	0.2231	0.3466	1.6534	0.4282	1.5718
15	16	3.5320	0.7499	0.9835	0.2123	0.3630	1.6370	0.4479	1.5521
16	17	3.5879	0.7441	0.9845	0.2028	0.3779	1.6221	0.4657	1.5343
17	18	3.6401	0.7386	0.9854	0.1943	0.3913	1.6087	0.4818	1.5182
18	19	3.6890	0.7335	0.9862	0.1866	0.4035	1.5965	0.4966	1.5034
19	20	3.7349	0.7287	0.9869	0.1796	0.4147	1.5853	0.5102	1.4898
20	21	3.7783	0.7242	0.9876	0.1733	0.4250	1.5750	0.5228	1.4772
21	22	3.8194	0.7199	0.9882	0.1675	0.4345	1.5655	0.5344	1.4656
22	23	3.8583	0.7159	0.9887	0.1621	0.4434	1.5566	0.5452	1.4548
23	24	3.8953	0.7121	0.9892	0.1572	0.4516	1.5484	0.5553	1.4447
24	25	3.9306	0.7084	0.9896	0.1526	0.4593	1.5407	0.5648	1.4352