Table 12.1 Table of Control Chart Constants

30	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	size n	Sample	
0.671	0.688	0.707	0.728	0.750	0.775	0.802	0.832	0.866	0.905	0.949	1.000	1.061	1.134	1.225	1.342	1.500	1.732	2.121	Α	Factors for p-chart	
0.697	0.717	0.738	0.762	0.788	0.816	0.848	0.884	0.925	0.973	1.028	1.094	1.175	1.277	1.410	1.596	1.880	2.394	3.760	$A_I$		
0.110	0.184	0.194	0.203	0.212	0.223	0.235	0.249	0.266	0.285	0.308	0.337	0.373	0.419	0.483	0.577	0.729	1.023	1.880	$A_2$		
0.9619	0.9599	0.9576	0.9551	0.9523	0.9490	0.9453	0.9410	0.9359	0.9300	0.9227	0.9139	0.9027	0.8882	0.8686	0.8407	0.7979	0.7236	0.5642	$c_2$	Factors for s-chart	
0.491	0.477	0.461	0.445	0.427	0.406	0.384	0.359	0.331	0.299	0.262	0.219	1.167	0.105	0.026	0	0	0	0	$B_{I}$		
1.433	0.443	0.459	1.465	1.478	1.492	1.507	1.523	1.541	1.561	1.584	0.609	1.638	1.672	1.711	1.756	808.1	1.858	1.843	$B_2$		4
0.510	0.497	0.482	0.466	0.448	0.428	0.406	0.382	0.354	0.321	0.284	0.239	0.185	0.118	0.030	0	0	0	0	$B_{J}$		
1.490	1.503	1.518	1.534	1.552	1.572	1.594	1.618	1.646	1.679	1.716	1.760	1.815	1.882	1.970	2.089	2.266	2.568	3.267	$B_4$		
3.735	3.689	3.640	3.588	3.532	3.472	3.407	3.336	3.258	3.173	3.078	2.970	2.847	2.704	2.534	2.326	2.059	1.693	1.128	$d_2$	Factors for R-chart	
1.544	1.490	1.426	1.359	1.285	1.207	1.121	1.026	0.924	0.812	0.687	0.546	0.387	0.205	0	0	0	0	0	$D_{\prime}$		
5.922	5.888	5.854	5.817	5.779	5.737	5.693	5.646	5.592	5.534	5.469	5.394	5.307	5.203	5.078	4.918	4.698	4.358	3.686	$D_2$		
0.418	0.404	0.392	0.379	0.364	0.348	0.329	0.308	0.284	0.256	0.223	0.184	5.136	0.076	0	0	0	0	0	$D_3$		
1.586	1.596	1.608	1.621	1.636	1.652	1.671	1.692	1.716	0.744	1.777	1.816	0.864	1.924	2.004	2.115	2.282	2.575	3.262	$D_4$		