



Spring Balance

Window Height Range	Spring Length	3mm Glass - Sash Weight Chart																
		600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
699	179	1.6	1.7	1.8	2.0	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.3	3.4	3.5	3.7
799	229	1.8	1.9	2.1	2.2	2.4	2.5	2.7	2.8	3.0	3.1	3.3	3.4	3.6	3.7	3.9	4.0	4.2
899	279	2.0	2.2	2.4	2.5	2.7	2.9	3.0	3.2	3.4	3.5	3.7	3.9	4.0	4.2	4.4	4.6	4.7
999	329	2.2	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.2
1099	379	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.2	5.4	5.6	5.8
1199	429	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.3	4.5	4.7	4.9	5.2	5.4	5.6	5.8	6.1	6.3
1299	479	2.9	3.2	3.4	3.7	3.9	4.1	4.4	4.6	4.9	5.1	5.4	5.6	5.8	6.1	6.3	6.6	6.8
1399	529	3.1	3.4	3.7	3.9	4.2	4.5	4.7	5.0	5.2	5.5	5.8	6.0	6.3	6.6	6.8	7.1	7.3
1499	579	3.4	3.7	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.9	6.2	6.5	6.7	7.0	7.3	7.6	7.9
1599	629	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4
1699	679	3.8	4.1	4.5	4.8	5.1	5.4	5.7	6.1	6.4	6.7	7.0	7.3	7.6	8.0	8.3	8.6	8.9
1799	729	4.0	4.4	4.7	5.1	5.4	5.7	6.1	6.4	6.7	7.1	7.4	7.8	8.1	8.4	8.8	9.1	9.4
1899	779	4.3	4.6	5.0	5.3	5.7	6.1	6.4	6.8	7.1	7.5	7.8	8.2	8.5	8.9	9.3	9.6	10.0
1999	829	4.5	4.9	5.2	5.6	6.0	6.4	6.7	7.1	7.5	7.9	8.2	8.6	9.0	9.4	9.7	10.1	10.5
2099	879	4.7	5.1	5.5	5.9	6.3	6.7	7.1	7.5	7.9	8.3	8.7	9.1	9.4	9.8	10.2	10.6	11.0
2199	929	4.9	5.4	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.7	9.1	9.5	9.9	10.3	10.7	11.1	11.5
2299	979	5.2	5.6	6.0	6.5	6.9	7.3	7.8	8.2	8.6	9.1	9.5	9.9	10.3	10.8	11.2	11.6	12.1
2399	1029	5.4	5.8	6.3	6.7	7.2	7.6	8.1	8.5	9.0	9.4	9.9	10.3	10.8	11.2	11.7	12.1	12.6
2499	1079	5.6	6.1	6.6	7.0	7.5	8.0	8.4	8.9	9.4	9.8	10.3	10.8	11.2	11.7	12.2	12.7	13.1

Window Height Range	Spring Length	4mm Glass - Sash Weight Chart																
		600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
699	179	2.1	2.3	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.7	3.8	4.0	4.2	4.4	4.5	4.7	4.9
799	229	2.4	2.6	2.8	3.0	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.4	5.6
899	279	2.7	2.9	3.1	3.4	3.6	3.8	4.0	4.3	4.5	4.7	4.9	5.2	5.4	5.6	5.8	6.1	6.3
999	329	3.0	3.2	3.5	3.7	4.0	4.2	4.5	4.7	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0
1099	379	3.3	3.6	3.8	4.1	4.4	4.7	4.9	5.2	5.5	5.8	6.0	6.3	6.6	6.9	7.1	7.4	7.7
1199	429	3.6	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1	8.4
1299	479	3.9	4.2	4.5	4.9	5.2	5.5	5.8	6.2	6.5	6.8	7.1	7.5	7.8	8.1	8.4	8.8	9.1
1399	529	4.2	4.5	4.9	5.2	5.6	5.9	6.3	6.6	7.0	7.3	7.7	8.0	8.4	8.7	9.1	9.4	9.8
1499	579	4.5	4.9	5.2	5.6	6.0	6.4	6.7	7.1	7.5	7.9	8.2	8.6	9.0	9.4	9.7	10.1	10.5
1599	629	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4	8.8	9.2	9.6	10.0	10.4	10.8	11.2
1699	679	5.1	5.5	5.9	6.4	6.8	7.2	7.6	8.1	8.5	8.9	9.3	9.8	10.2	10.6	11.0	11.5	11.9
1799	729	5.4	5.8	6.3	6.7	7.2	7.6	8.1	8.5	9.0	9.4	9.9	10.3	10.8	11.2	11.7	12.1	12.6
1899	779	5.7	6.2	6.6	7.1	7.6	8.1	8.5	9.0	9.5	10.0	10.4	10.9	11.4	11.9	12.3	12.8	13.3
1999	829	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
2099	879	6.3	6.8	7.3	7.9	8.4	8.9	9.4	10.0	10.5	11.0	11.5	12.1	12.6	13.1	13.6	14.2	14.7
2199	929	6.6	7.1	7.7	8.2	8.8	9.3	9.9	10.4	11.0	11.5	12.1	12.6	13.2	13.7	14.3	14.8	15.4
2299	979	6.9	7.5	8.0	8.6	9.2	9.8	10.3	10.9	11.5	12.1	12.6	13.2	13.8	14.4	14.9	15.5	16.1
2399	1029	7.2	7.8	8.4	9.0	9.6	10.2	10.8	11.4	12.0	12.6	13.2	13.8	14.4	15.0	15.6	16.2	16.8
2499	1079	7.5	8.1	8.7	9.4	10.0	10.6	11.2	11.9	12.5	13.1	13.7	14.4	15.0	15.6	16.2	16.9	17.5

Window Height Range	Spring Length	5mm Glass - Sash Weight Chart																
		600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
699	179	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.2	4.4	4.6	4.8	5.0	5.2	5.5	5.7	5.9	6.1
799	229	3.0	3.2	3.5	3.7	4.0	4.2	4.5	4.7	5.0	5.2	5.5	5.7	6.0	6.2	6.5	6.7	7.0
899	279	3.4	3.7	3.9	4.2	4.5	4.8	5.1	5.3	5.6	5.9	6.2	6.5	6.7	7.0	7.3	7.6	7.9
999	329	3.7	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.6	6.9	7.2	7.5	7.8	8.1	8.4	8.7
1099	379	4.1	4.5	4.8	5.2	5.5	5.8	6.2	6.5	6.9	7.2	7.6	7.9	8.2	8.6	8.9	9.3	9.6
1199	429	4.5	4.9	5.2	5.6	6.0	6.4	6.7	7.1	7.5	7.9	8.2	8.6	9.0	9.4	9.7	10.1	10.5
1299	479	4.9	5.3	5.7	6.1	6.5	6.9	7.3	7.7	8.1	8.5	8.9	9.3	9.7	10.1	10.6	11.0	11.4
1399	529	5.2	5.7	6.1	6.6	7.0	7.4	7.9	8.3	8.7	9.2	9.6	10.1	10.5	10.9	11.4	11.8	12.2
1499	579	5.6	6.1	6.6	7.0	7.5	8.0	8.4	8.9	9.4	9.8	10.3	10.8	11.2	11.7	12.2	12.6	13.1
1599	629	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
1699	679	6.4	6.9	7.4	8.0	8.5	9.0	9.6	10.1	10.6	11.1	11.7	12.2	12.7	13.3	13.8	14.3	14.9
1799	729	6.7	7.3	7.9	8.4	9.0	9.6	10.1	10.7	11.2	11.8	12.4	12.9	13.5	14.1	14.6	15.2	15.7
1899	779	7.1	7.7	8.3	8.9	9.5	10.1	10.7	11.3	11.9	12.5	13.1	13.6	14.2	14.8	15.4	16.0	16.6
1999	829	7.5	8.1	8.7	9.4	10.0	10.6	11.2	11.9	12.5	13.1	13.7	14.4	15.0	15.6	16.2	16.9	17.5
2099	879	7.9	8.5	9.2	9.8	10.5	11.2	11.8	12.5	13.1	13.8	14.4	15.1	15.7	16.4	17.1	17.7	18.4
2199	929	8.2	8.9	9.6	10.3	11.0	11.7	12.4	13.1	13.7	14.4	15.1	15.8	16.5	17.2	17.9	18.6	19.2
2299	979	8.6	9.3	10.1	10.8	11.5	12.2	12.9	13.7	14.4	15.1	15.8	16.5	17.2	18.0	18.7	19.4	20.1
2399	1029	9.0	9.7	10.5	11.2	12.0	12.7	13.5	14.2	15.0	15.7	16.5	17.2	18.0	18.7	19.5	20.2	21.0
2499	1079	9.4	10.2	10.9	11.7	12.5	13.3	14.1	14.8	15.6	16.4	17.2	18.0	18.7	19.5	20.3	21.1	21.9

Sash Weight Charts



6mm Glass - Sash Weight Chart

Window Height Range	Spring Length	6mm Glass - Sash Weight Chart																
		600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
699	179	3.3	3.5	3.8	4.1	4.4	4.6	4.9	5.2	5.5	5.7	6.0	6.3	6.5	6.8	7.1	7.4	7.6
799	229	3.7	4.1	4.4	4.7	5.0	5.3	5.6	5.9	6.2	6.5	6.9	7.2	7.5	7.8	8.1	8.4	8.7
899	279	4.2	4.6	4.9	5.3	5.6	6.0	6.3	6.7	7.0	7.4	7.7	8.1	8.4	8.8	9.1	9.5	9.8
999	329	4.7	5.1	5.5	5.8	6.2	6.6	7.0	7.4	7.8	8.2	8.6	9.0	9.4	9.7	10.1	10.5	10.9
1099	379	5.1	5.6	6.0	6.4	6.9	7.3	7.7	8.1	8.6	9.0	9.4	9.9	10.3	10.7	11.1	11.6	12.0
1199	429	5.6	6.1	6.5	7.0	7.5	7.9	8.4	8.9	9.4	9.8	10.3	10.8	11.2	11.7	12.2	12.6	13.1
1299	479	6.1	6.6	7.1	7.6	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.7	12.2	12.7	13.2	13.7	14.2
1399	529	6.5	7.1	7.6	8.2	8.7	9.3	9.8	10.4	10.9	11.5	12.0	12.5	13.1	13.6	14.2	14.7	15.3
1499	579	7.0	7.6	8.2	8.8	9.4	9.9	10.5	11.1	11.7	12.3	12.9	13.4	14.0	14.6	15.2	15.8	16.4
1599	629	7.5	8.1	8.7	9.4	10.0	10.6	11.2	11.8	12.5	13.1	13.7	14.3	15.0	15.6	16.2	16.8	17.5
1699	679	8.0	8.6	9.3	9.9	10.6	11.3	11.9	12.6	13.3	13.9	14.6	15.2	15.9	16.6	17.2	17.9	18.6
1799	729	8.4	9.1	9.8	10.5	11.2	11.9	12.6	13.3	14.0	14.7	15.4	16.1	16.8	17.5	18.2	18.9	19.6
1899	779	8.9	9.6	10.4	11.1	11.8	12.6	13.3	14.1	14.8	15.6	16.3	17.0	17.8	18.5	19.3	20.0	20.7
1999	829	9.4	10.1	10.9	11.7	12.5	13.3	14.0	14.8	15.6	16.4	17.2	17.9	18.7	19.5	20.3	21.0	21.8
2099	879	9.8	10.6	11.5	12.3	13.1	13.9	14.7	15.6	16.4	17.2	18.0	18.8	19.6	20.5	21.3		
2199	929	10.3	11.1	12.0	12.9	13.7	14.6	15.4	16.3	17.2	18.0	18.9	19.7	20.6	21.4			
2299	979	10.8	11.7	12.6	13.4	14.3	15.2	16.1	17.0	17.9	18.8	19.7	20.6	21.5				
2399	1029	11.2	12.2	13.1	14.0	15.0	15.9	16.8	17.8	18.7	19.6	20.6	21.5					
2499	1079	11.7	12.7	13.6	14.6	15.6	16.6	17.5	18.5	19.5	20.5	21.4						

8mm Glass - Sash Weight Chart

Window Height Range	Spring Length	8mm Glass - Sash Weight Chart																
		600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
699	179	4.2	4.5	4.9	5.2	5.6	5.9	6.3	6.6	7.0	7.3	7.7	8.0	8.4	8.7	9.1	9.4	9.8
799	229	4.8	5.2	5.6	6.0	6.4	6.8	7.2	7.6	8.0	8.4	8.8	9.2	9.6	10.0	10.4	10.8	11.2
899	279	5.4	5.8	6.3	6.7	7.2	7.6	8.1	8.5	9.0	9.4	9.9	10.3	10.8	11.2	11.7	12.1	12.6
999	329	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
1099	379	6.6	7.1	7.7	8.2	8.8	9.3	9.9	10.4	11.0	11.5	12.1	12.6	13.2	13.7	14.3	14.8	15.4
1199	429	7.2	7.8	8.4	9.0	9.6	10.2	10.8	11.4	12.0	12.6	13.2	13.8	14.4	15.0	15.6	16.2	16.8
1299	479	7.8	8.4	9.1	9.7	10.4	11.0	11.7	12.3	13.0	13.6	14.3	14.9	15.6	16.2	16.9	17.5	18.2
1399	529	8.4	9.1	9.8	10.5	11.2	11.9	12.6	13.3	14.0	14.7	15.4	16.1	16.8	17.5	18.2	18.9	19.6
1499	579	9.0	9.7	10.5	11.2	12.0	12.7	13.5	14.2	15.0	15.7	16.5	17.2	18.0	18.7	19.5	20.2	21.0
1599	629	9.6	10.4	11.2	12.0	12.8	13.6	14.4	15.2	16.0	16.8	17.6	18.4	19.2	20.0	20.8	21.6	
1699	679	10.2	11.0	11.9	12.7	13.6	14.4	15.3	16.1	17.0	17.8	18.7	19.5	20.4	21.2			
1799	729	10.8	11.7	12.6	13.5	14.4	15.3	16.2	17.1	18.0	18.9	19.8	20.7	21.6				
1899	779	11.4	12.3	13.3	14.2	15.2	16.1	17.1	18.0	19.0	19.9	20.9	21.8					
1999	829	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0						
2099	879	12.6	13.6	14.7	15.7	16.8	17.8	18.9	19.9	21.0								
2199	929	13.2	14.3	15.4	16.5	17.6	18.7	19.8	20.9	22.0								
2299	979	13.8	14.9	16.1	17.2	18.4	19.5	20.7	21.8									
2399	1029	14.4	15.6	16.8	18.0	19.2	20.4	21.6										
2499	1079	15.0	16.2	17.5	18.7	20.0	21.2											

10mm Glass - Sash Weight Chart

Window Height Range	Spring Length	10mm Glass - Sash Weight Chart																
		600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400
699	179	5.2	5.7	6.1	6.6	7.0	7.4	7.9	8.3	8.7	9.2	9.6	10.0	10.5	10.9	11.4	11.8	12.2
799	229	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
899	279	6.7	7.3	7.9	8.4	9.0	9.6	10.1	10.7	11.2	11.8	12.4	12.9	13.5	14.0	14.6	15.2	15.7
999	329	7.5	8.1	8.7	9.4	10.0	10.6	11.2	11.9	12.5	13.1	13.7	14.4	15.0	15.6	16.2	16.9	17.5
1099	379	8.2	8.9	9.6	10.3	11.0	11.7	12.4	13.1	13.7	14.4	15.1	15.8	16.5	17.2	17.9	18.5	19.2
1199	429	9.0	9.7	10.5	11.2	12.0	12.7	13.5	14.2	15.0	15.7	16.5	17.2	18.0	18.7	19.5	20.2	21.0
1299	479	9.7	10.6	11.4	12.2	13.0	13.8	14.6	15.4	16.2	17.0	17.9	18.7	19.5	20.3	21.1	21.9	
1399	529	10.5	11.4	12.2	13.1	14.0	14.9	15.7	16.6	17.5	18.4	19.2	20.1	21.0				
1499	579	11.2	12.2	13.1	14.1	15.0	15.9	16.9	17.8	18.7	19.7	20.6	21.5					
1599	629	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0						
1699	679	12.7	13.8	14.9	15.9	17.0	18.1	19.1	20.2	21.2								
1799	729	13.5	14.6	15.7	16.9	18.0	19.1	20.2	21.4									
1899	779	14.2	15.4	16.6	17.8	19.0	20.2	21.4										
1999	829	15.0	16.2	17.5	18.7	20.0	21.2											
2099	879	15.7	17.1	18.4	19.7	21.0												
2199	929	16.5	17.9	19.2	20.6	22.0												
2299	979	17.2	18.7	20.1	21.6													
2399	1029	18.0	19.5	21.0														
2499	1079	18.7	20.3	21.9														