



SHUTIt®

BADASS™

ENGINEERED GATE HARDWARE SOLUTIONS

Shut It® Maximum Gate Weight and Dimension Load Charts



LIMITED **LIFETIME WARRANTY**

ShutIt® Hinge Range

Chart 1	
CI3600 Baby – Steel to Steel CI3620 Baby ‘Rusted’ – Steel to Steel	
CI3650 Baby - Aluminium CI3670 Baby - Steel to Aluminium	
CI3750 Baby Bolt-on – Steel to Steel CI3750B Baby Bolt-on Powder coat	
CLICK HERE FOR MAXIMUM GATE WEIGHTS	

Chart 2	
CI3200 Combo – Alum to Steel CI3300 Combo – Steel to Alum	
CI3400 Aluminium – Alum to Alum	
CI3780 Half Bolt-on – Steel to Alum	
CLICK HERE FOR MAXIMUM GATE WEIGHTS	

Chart 3	
CI3700 Bolt-on CI3700B Bolt-on Powder coat	
CI3770 Half Bolt-on – Steel to Steel	
CI2051 Bolt-on 102mm – Steel to Steel CI2053 Bolt-on 152mm – Steel to Steel CI2054 Bolt-on 203mm – Steel to Steel	
CI3000 Original – Steel to Steel CI3000R Center Mount Original (Concaved) CI3100 Original – Steel to Steel ‘Rusted’	
CI3050 Face Mount Weld-On	
CI3075 VersaWeld™ Hinge	
CI3800 Stainless Steel – 100% Stainless	
CI3720 Face Mount Bolt-on CI3720B Face Mount Bolt-on Powder coat	
CLICK HERE FOR MAXIMUM GATE WEIGHTS	

Chart 4	
CI3500 Heavy Duty – Steel to Steel	
CI3520 100 Year – Steel to Steel	
CI3900 Strap-Hinge 152mm (6") CI3925 Strap-Hinge 245mm (10") CI3975 Uphill Hinge Set – Steel to Steel	
CI3950 Barrel Bolt or Weld-on	
CLICK HERE FOR MAXIMUM GATE WEIGHTS	

How to measure your gate

The calculated gate weight charts in this document are based on a symmetrical design where the center of gravity can be determined.

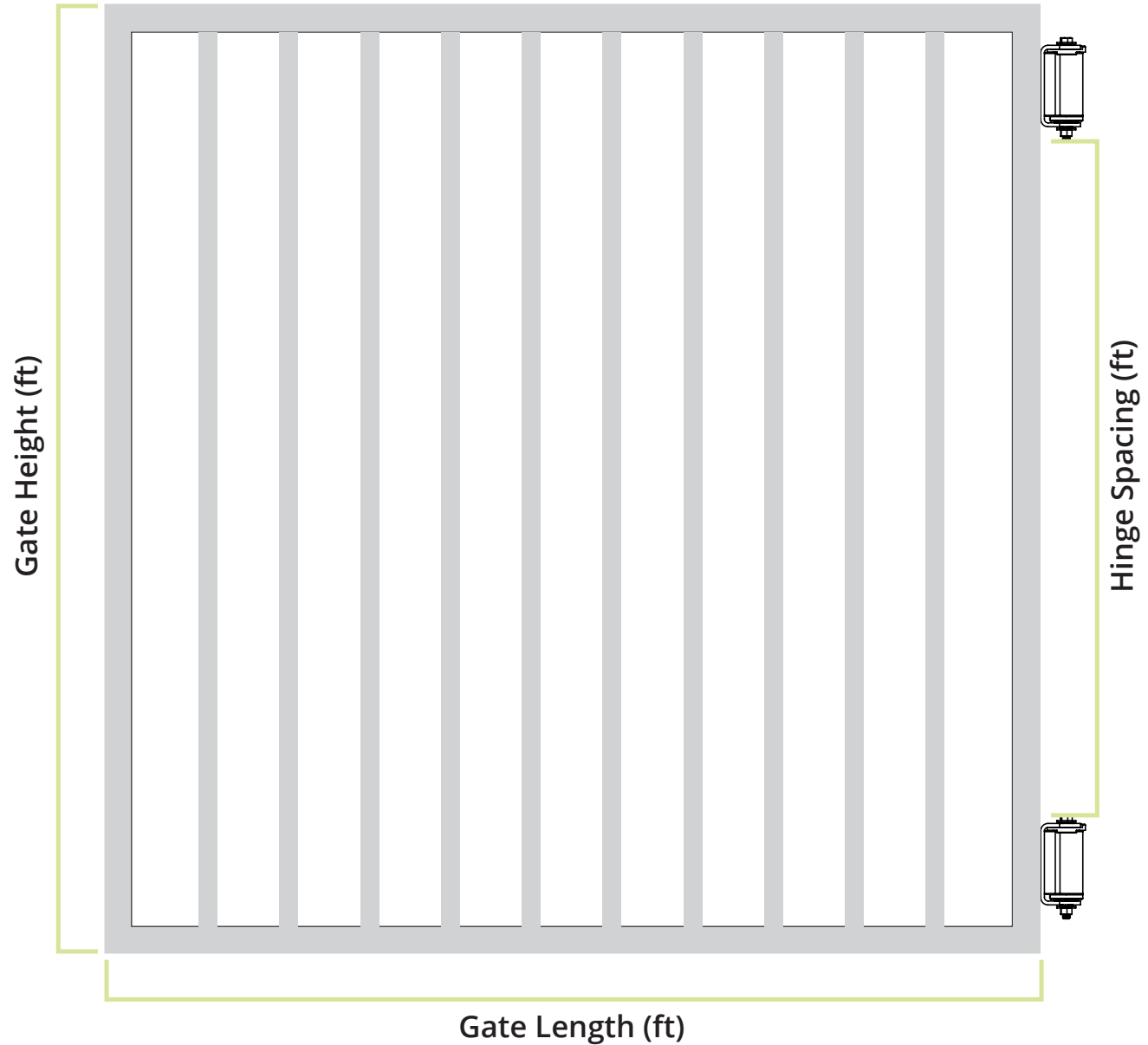


Chart 1

Calculated Maximum Gate Weight (300lbs)

This calculation is a guideline only and used for the purpose of estimating. Depending on the materials used and the design, the gate weight may differ. The calculated maximum gate weight excludes the weight of the hardware, e.g., latches and drop bolts, which needs to be considered. In the case of borderline load requirements, use a higher weight capacity hinge for maximum safety. Where welding is required, it is suggested to follow sound engineering practices. If weather conditions such as wind plays a role, use hinge combinations with a higher weight capacity. The chart provides an overview of maximum load value for a pair of hinge type, taking into consideration the ratio of the width and height of the gate as well as the hinge spacing. Refer to [page 3](#) on how to measure the hinge spacing. Note - Adding a 3rd hinge does not significantly increase the maximum gate weight.

Gate Height (ft)	8'	300	300	300	300	220	142	Required Hinge Spacing (ft)
	7'6"	300	300	300	267	172	100	
	7'	300	300	300	212	124	59	
	6'6"	300	300	267	156	77		
	6'	300	300	200	100			
	5'6"	300	288	150	59			
	5'	300	225	100				
	4'6"	300	163	50				
	4'	267	100					
	3'6"	184	38	These gate dimensions are over max gate weight capacity. Refer to Charts 2, 3 and 4 for other hinge considerations.				
3'	100							
		3'	4'	5'	6'	7'	8'	
		Gate Length (ft)						

Recommended hinges for gate weight

CI3600
Max 300lbs



CI3620
Max 300lbs



CI3650
Max 300lbs



CI3670
Max 300lbs



CI3750
Max 300lbs



CI3750B
Max 300lbs



[Back to hinge selector](#)

ShutIt® V1 - 01-2024

Chart 2

Calculated Maximum Gate Weight (600lbs)

This calculation is a guideline only and used for the purpose of estimating. Depending on the materials used and the design, the gate weight may differ. The calculated maximum gate weight excludes the weight of the hardware, e.g., latches and drop bolts, which needs to be considered. In the case of borderline load requirements, use a higher weight capacity hinge for maximum safety. Where welding is required, it is suggested to follow sound engineering practices. If weather conditions such as wind plays a role, use hinge combinations with a higher weight capacity. The chart provides an overview of maximum load value for a pair of hinge type, taking into consideration the ratio of the width and height of the gate as well as the hinge spacing. Refer to [page 3](#) on how to measure the hinge spacing. Note - Adding a 3rd hinge does not significantly increase the maximum gate weight.

Gate Height (ft)	8'	600	600	600	600	600	563	467	388	323	267	220	Required Hinge Spacing (ft)
	7'6"	600	600	600	600	600	489	400	328	267	216	172	
	7'	600	600	600	600	517	415	334	267	212	165	124	
	6'6"	600	600	600	553	434	341	267	207	156	113		
	6'	600	600	600	458	350	267	200	146	100			
	5'6"	600	600	517	386	288	212	150	100				
	5'	600	600	434	315	225	156	100					
	4'6"	600	500	350	243	163	100						
	4'	600	400	267	172	100							
	3'6"	475	300	184	100								
3'	350	200	100										
		4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	
Gate Length (ft)													

These gate dimensions are over max gate weight capacity. Refer to Charts 3 and 4 for other hinge considerations.

Recommended hinges for gate weight

CI3200 CI3300 CI3400 CI3780



[Back to hinge selector](#)

ShutIt® V1 - 01-2024

Chart 3

Calculated Maximum Gate Weight (1000lbs)

This calculation is a guideline only and used for the purpose of estimating. Depending on the materials used and the design, the gate weight may differ. The calculated maximum gate weight excludes the weight of the hardware, e.g., latches and drop bolts, which needs to be considered. In the case of borderline load requirements, use a higher weight capacity hinge for maximum safety. Where welding is required, it is suggested to follow sound engineering practices. If weather conditions such as wind plays a role, use hinge combinations with a higher weight capacity. The chart provides an overview of maximum load value for a pair of hinge type, taking into consideration the ratio of the width and height of the gate as well as the hinge spacing. Refer to [page 3](#) on how to measure the hinge spacing. Note - Adding a 3rd hinge does not significantly increase the maximum gate weight.

Gate Height (ft)	8'	1000	1000	1000	1000	839	684	563	467	388	323	267	220	Required Hinge Spacing (ft)
	7'6"	1000	1000	1000	934	743	600	489	400	328	267	216	172	
	7'	1000	1000	1000	823	648	517	415	334	267	212	165	124	
	6'6"	1000	1000	934	712	553	434	341	267	207	156	113		
	6'	1000	1000	800	600	458	350	267	200	146	100			
	5'6"	1000	975	700	517	386	288	212	150	100				
	5'	1000	850	600	434	315	225	156	100					
	4'6"	1000	725	500	350	243	163	100						
	4'	934	600	400	267	172	100							
	3'6"	767	475	300	184	100	These gate dimensions are over max gate weight capacity. Refer to Chart 4 for other hinge considerations.							
3'	600	350	200	100	These gate dimensions are over max gate weight capacity. Refer to Chart 4 for other hinge considerations.									
	3'	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'		
Gate Length (ft)														

Recommended hinges for gate weight

- CI3700
- CI3700B
- CI3770 s-s
- CI2051 / CI2053 / CI2054
- CI3000
- CI3000R
- CI3050
- CI3075
- CI3800
- CI3720
- CI3720B



[Back to hinge selector](#)

ShutIt® V1 - 01-2024

Chart 4

Calculated Maximum Gate Weight (1500lbs)

This calculation is a guideline only and used for the purpose of estimating. Depending on the materials used and the design, the gate weight may differ. The calculated maximum gate weight excludes the weight of the hardware, e.g., latches and drop bolts, which needs to be considered. In the case of borderline load requirements, use a higher weight capacity hinge for maximum safety. Where welding is required, it is suggested to follow sound engineering practices. If weather conditions such as wind plays a role, use hinge combinations with a higher weight capacity. The chart provides an overview of maximum load value for a pair of hinge type, taking into consideration the ratio of the width and height of the gate as well as the hinge spacing. Refer to [page 3](#) on how to measure the hinge spacing. Note - Adding a 3rd hinge does not significantly increase the maximum gate weight.

Gate Height (ft)	Gate Length (ft)									Required Hinge Spacing (ft)
	6'	7'	8'	9'	10'	11'	12'	13'	14'	
8'	1500	1500	1500	1500	1500	1500	1500	1500	1458	6'6"
7'6"	1500	1500	1500	1500	1500	1500	1500	1447	1315	6'
7'	1500	1500	1500	1500	1500	1500	1434	1293	1172	5'6"
6'6"	1500	1500	1500	1500	1500	1419	1267	1139	1029	5'
6'	1500	1500	1500	1500	1400	1237	1100	985	886	4'6"
5'6"	1500	1500	1500	1434	1250	1100	975	870	779	4'2"
5'	1500	1500	1475	1267	1100	964	850	754	672	3'9"
4'6"	1500	1500	1288	1100	950	828	725	639	565	3'5"
4'	1500	1315	1100	934	800	691	600	524	458	3'
3'6"	1350	1100	913	767	650	555	475	408	350	2'8"
3'	1100	886	725	600	500	419	350	293	243	2'3"

Recommended hinges for gate weight

CI3500



CI3520



CI3900 / CI3925 / CI3975



CI3950



[Back to hinge selector](#)

ShutIt® V1 - 01-2024