

NOTE: To calculate minimum closing times when door protection is disabled (nudging), multiply times shown by 1.71

30" Single Speed Side

Door Weight	Equipment Weight	Code Distance	Average Kinetic Energy	Minimum Code Distance Time			
				MOD	MOM	MOH	MOVFR
225	39	2.16	7.37	1.86	1.91	1.94	1.84
250	39	2.16	7.37	1.92	1.97	2.00	1.90
275	39	2.16	7.37	1.99	2.03	2.06	1.97
300	39	2.16	7.37	2.05	2.09	2.12	2.03
325	39	2.16	7.37	2.11	2.15	2.18	2.09
350	39	2.16	7.37	2.16	2.21	2.24	2.15
375	39	2.16	7.37	2.22	2.26	2.29	2.20
400	39	2.16	7.37	2.28	2.31	2.34	2.26

32" Single Speed Side

225	39	2.33	7.37	2.00	2.04	2.08	1.97
250	39	2.33	7.37	2.07	2.11	2.15	2.04
275	39	2.33	7.37	2.13	2.18	2.21	2.11
300	39	2.33	7.37	2.20	2.24	2.28	2.18
325	39	2.33	7.37	2.26	2.31	2.34	2.24
350	39	2.33	7.37	2.33	2.37	2.40	2.31
375	39	2.33	7.37	2.39	2.43	2.46	2.37
400	39	2.33	7.37	2.45	2.49	2.52	2.43

34" Single Speed Side

250	39	2.5	7.37	2.21	2.26	2.29	2.18
275	39	2.5	7.37	2.28	2.33	2.36	2.26
300	39	2.5	7.37	2.35	2.40	2.43	2.33
325	39	2.5	7.37	2.42	2.46	2.50	2.40
350	39	2.5	7.37	2.49	2.53	2.56	2.47
375	39	2.5	7.37	2.55	2.59	2.63	2.53
400	39	2.5	7.37	2.62	2.66	2.69	2.60
425	39	2.5	7.37	2.68	2.72	2.75	2.66

36" Single Speed Side

Door Weight	Equipment Weight	Code Distance	Average Kinetic Energy	Minimum Code Distance Time			
				MOD	MOM	MOH	MOVFR
275	39	2.67	7.37	2.41	2.46	2.50	2.39
300	39	2.67	7.37	2.49	2.54	2.57	2.47
325	39	2.67	7.37	2.57	2.61	2.64	2.54
350	39	2.67	7.37	2.64	2.68	2.71	2.62
375	39	2.67	7.37	2.71	2.75	2.78	2.69
400	39	2.67	7.37	2.78	2.82	2.85	2.76
425	39	2.67	7.37	2.84	2.88	2.91	2.82
450	39	2.67	7.37	2.91	2.95	2.98	2.89

38" Single Speed Side

275	39	2.83	7.37	2.55	2.60	2.64	2.53
300	39	2.83	7.37	2.63	2.68	2.71	2.61
325	39	2.83	7.37	2.71	2.76	2.79	2.69
350	39	2.83	7.37	2.79	2.83	2.87	2.77
375	39	2.83	7.37	2.86	2.91	2.94	2.84
400	39	2.83	7.37	2.94	2.98	3.01	2.92
425	39	2.83	7.37	3.01	3.05	3.08	2.99
450	39	2.83	7.37	3.08	3.12	3.15	3.06

40" Single Speed Side

300	39	3	7.37	2.77	2.82	2.85	2.75
325	39	3	7.37	2.86	2.90	2.93	2.84
350	39	3	7.37	2.94	2.98	3.01	2.92
375	39	3	7.37	3.02	3.06	3.09	3.00
400	39	3	7.37	3.10	3.14	3.17	3.08
425	39	3	7.37	3.17	3.21	3.24	3.15
450	39	3	7.37	3.25	3.29	3.31	3.23
475	39	3	7.37	3.32	3.36	3.39	3.30

42" Single Speed Side

Door Weight	Equipment Weight	Code Distance	Average Kinetic Energy	Minimum Code Distance Time			
				MOD	MOM	MOH	MOVFR
325	39	3.167	7.37	3.01	3.06	3.09	2.99
350	39	3.167	7.37	3.10	3.14	3.17	3.08
375	39	3.167	7.37	3.18	3.22	3.26	3.16
400	39	3.167	7.37	3.26	3.31	3.34	3.24
425	39	3.167	7.37	3.34	3.38	3.42	3.32
450	39	3.167	7.37	3.42	3.46	3.49	3.40
475	39	3.167	7.37	3.50	3.54	3.57	3.48
500	39	3.167	7.37	3.57	3.61	3.64	3.55

*** Above 42" Single Speed Side - GAL goes to power gearing on the MOD, MOM, and MOH**

44" Single Speed Side*

325	39	3.33	7.37	3.35	3.43	3.50	3.14
350	39	3.33	7.37	3.43	3.52	3.58	3.23
375	39	3.33	7.37	3.52	3.60	3.66	3.32
400	39	3.33	7.37	3.60	3.68	3.74	3.40
425	39	3.33	7.37	3.68	3.76	3.82	3.49
450	39	3.33	7.37	3.76	3.84	3.89	3.57
475	39	3.33	7.37	3.84	3.91	3.97	3.65
500	39	3.33	7.37	3.91	3.99	4.04	3.73

46" Single Speed Side*

350	39	3.5	7.37	3.58	3.66	3.72	3.38
375	39	3.5	7.37	3.67	3.75	3.80	3.47
400	39	3.5	7.37	3.75	3.83	3.89	3.56
425	39	3.5	7.37	3.84	3.91	3.97	3.65
450	39	3.5	7.37	3.92	4.00	4.05	3.74
475	39	3.5	7.37	4.00	4.08	4.13	3.82
500	39	3.5	7.37	4.08	4.15	4.21	3.91
525	39	3.5	7.37	4.16	4.23	4.28	3.99

48" Single Speed Side*

Door Weight	Equipment Weight	Code Distance	Average Kinetic Energy	Minimum Code Distance Time			
				MOD	MOM	MOH	MOVFR
375	39	3.66	7.3	3.81	3.89	3.95	3.62
400	39	3.66	7.3	3.90	3.98	4.04	3.72
425	39	3.66	7.3	3.99	4.07	4.12	3.81
450	39	3.66	7.3	4.08	4.15	4.21	3.90
475	39	3.66	7.3	4.16	4.24	4.29	3.99
500	39	3.66	7.3	4.25	4.32	4.37	4.08
525	39	3.66	7.3	4.33	4.40	4.45	4.17
550	39	3.66	7.3	4.41	4.48	4.53	4.25

50" Single Speed Side*

375	39	3.83	7.3	3.95	4.02	4.08	3.76
400	39	3.83	7.3	4.05	4.12	4.17	3.87
425	39	3.83	7.3	4.14	4.21	4.27	3.96
450	39	3.83	7.3	4.23	4.30	4.36	4.06
475	39	3.83	7.3	4.32	4.39	4.44	4.15
500	39	3.83	7.3	4.41	4.48	4.53	4.25
525	39	3.83	7.3	4.50	4.56	4.61	4.34
550	39	3.83	7.3	4.58	4.65	4.70	4.43

52" Single Speed Side*

400	39	4.00	7.3	4.21	4.29	4.34	4.03
425	39	4.00	7.3	4.31	4.38	4.44	4.13
450	39	4.00	7.3	4.41	4.48	4.53	4.24
475	39	4.00	7.3	4.50	4.57	4.63	4.33
500	39	4.00	7.3	4.59	4.66	4.72	4.43
525	39	4.00	7.3	4.68	4.75	4.80	4.52
550	39	4.00	7.3	4.77	4.84	4.89	4.62
600	39	4.00	7.3	4.95	5.01	5.06	4.80