

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

### **30 " Single Speed Center**

Door Weight	Equipment Weight	Code	Minimum Code Closing Time			
		Distance In Inches	MOD	MOM	MOH	MOVFR
<b>225</b>	50	13	<b>1.03</b>	<b>1.06</b>	<b>1.09</b>	<b>1.01</b>
<b>250</b>	50	13	<b>1.06</b>	<b>1.09</b>	<b>1.11</b>	<b>1.04</b>
<b>275</b>	50	13	<b>1.09</b>	<b>1.12</b>	<b>1.14</b>	<b>1.07</b>
<b>300</b>	50	13	<b>1.12</b>	<b>1.15</b>	<b>1.17</b>	<b>1.10</b>
<b>325</b>	50	13	<b>1.14</b>	<b>1.17</b>	<b>1.19</b>	<b>1.13</b>
<b>350</b>	50	13	<b>1.17</b>	<b>1.20</b>	<b>1.22</b>	<b>1.15</b>
<b>375</b>	50	13	<b>1.20</b>	<b>1.22</b>	<b>1.25</b>	<b>1.18</b>
<b>400</b>	50	13	<b>1.22</b>	<b>1.25</b>	<b>1.27</b>	<b>1.21</b>

### **32 " Single Speed Center**

Door Weight	Equipment Weight	Code	MOD	MOM	MOH	MOVFR
		Distance				
<b>225</b>	50	14	<b>1.09</b>	<b>1.12</b>	<b>1.14</b>	<b>1.07</b>
<b>250</b>	50	14	<b>1.12</b>	<b>1.15</b>	<b>1.17</b>	<b>1.11</b>
<b>275</b>	50	14	<b>1.15</b>	<b>1.18</b>	<b>1.20</b>	<b>1.14</b>
<b>300</b>	50	14	<b>1.18</b>	<b>1.21</b>	<b>1.23</b>	<b>1.17</b>
<b>325</b>	50	14	<b>1.21</b>	<b>1.24</b>	<b>1.26</b>	<b>1.20</b>
<b>350</b>	50	14	<b>1.24</b>	<b>1.27</b>	<b>1.29</b>	<b>1.23</b>
<b>375</b>	50	14	<b>1.27</b>	<b>1.30</b>	<b>1.32</b>	<b>1.26</b>
<b>400</b>	50	14	<b>1.30</b>	<b>1.33</b>	<b>1.35</b>	<b>1.29</b>

### **34 " Single Speed Center**

Door Weight	Equipment Weight	Code	MOD	MOM	MOH	MOVFR
		Distance				
<b>250</b>	50	15	<b>1.19</b>	<b>1.22</b>	<b>1.24</b>	<b>1.17</b>
<b>275</b>	50	15	<b>1.22</b>	<b>1.25</b>	<b>1.27</b>	<b>1.21</b>
<b>300</b>	50	15	<b>1.26</b>	<b>1.29</b>	<b>1.31</b>	<b>1.24</b>
<b>325</b>	50	15	<b>1.29</b>	<b>1.32</b>	<b>1.34</b>	<b>1.27</b>
<b>350</b>	50	15	<b>1.32</b>	<b>1.35</b>	<b>1.37</b>	<b>1.31</b>
<b>375</b>	50	15	<b>1.35</b>	<b>1.38</b>	<b>1.40</b>	<b>1.34</b>
<b>400</b>	50	15	<b>1.38</b>	<b>1.41</b>	<b>1.43</b>	<b>1.37</b>
<b>425</b>	50	15	<b>1.41</b>	<b>1.44</b>	<b>1.46</b>	<b>1.40</b>

## 36 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
275	50	16	1.29	1.32	1.34	1.28
300	50	16	1.33	1.36	1.38	1.31
325	50	16	1.36	1.39	1.41	1.35
350	50	16	1.40	1.43	1.45	1.38
375	50	16	1.43	1.46	1.48	1.42
400	50	16	1.46	1.49	1.51	1.45
425	50	16	1.50	1.52	1.54	1.48
450	50	16	1.53	1.55	1.57	1.51

## 38 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
275	50	17	1.36	1.39	1.41	1.34
300	50	17	1.40	1.43	1.45	1.38
325	50	17	1.43	1.46	1.48	1.42
350	50	17	1.47	1.50	1.52	1.45
375	50	17	1.51	1.53	1.55	1.49
400	50	17	1.54	1.57	1.59	1.53
425	50	17	1.57	1.60	1.62	1.56
450	50	17	1.61	1.63	1.65	1.59

## 40 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
300	50	18	1.47	1.50	1.52	1.45
325	50	18	1.51	1.54	1.56	1.49
350	50	18	1.55	1.57	1.60	1.53
375	50	18	1.58	1.61	1.63	1.57
400	50	18	1.62	1.65	1.67	1.61
425	50	18	1.66	1.68	1.70	1.64
450	50	18	1.69	1.72	1.74	1.68
475	50	18	1.73	1.75	1.77	1.71

## 42 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
325	50	19	1.58	1.61	1.63	1.57
350	50	19	1.62	1.65	1.67	1.61
375	50	19	1.66	1.69	1.71	1.65
400	50	19	1.70	1.73	1.75	1.69
425	50	19	1.74	1.77	1.79	1.73
450	50	19	1.78	1.81	1.82	1.77
475	50	19	1.82	1.84	1.86	1.80
500	50	19	1.85	1.88	1.90	1.84

## 44 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
325	50	20	1.65	1.68	1.70	1.64
350	50	20	1.70	1.72	1.74	1.68
375	50	20	1.74	1.77	1.79	1.72
400	50	20	1.78	1.81	1.83	1.77
425	50	20	1.82	1.85	1.87	1.81
450	50	20	1.86	1.89	1.90	1.85
475	50	20	1.90	1.92	1.94	1.89
500	50	20	1.94	1.96	1.98	1.92

## 46 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
350	50	21	1.77	1.80	1.82	1.76
375	50	21	1.82	1.84	1.86	1.80
400	50	21	1.86	1.89	1.91	1.85
425	50	21	1.90	1.93	1.95	1.89
450	50	21	1.95	1.97	1.99	1.93
475	50	21	1.99	2.01	2.03	1.97
500	50	21	2.03	2.05	2.07	2.01
525	50	21	2.07	2.09	2.11	2.05

## 48 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
375	50	22	1.90	1.92	1.94	1.88
400	50	22	1.94	1.97	1.99	1.93
425	50	22	1.99	2.01	2.03	1.97
450	50	22	2.03	2.06	2.08	2.02
475	50	22	2.08	2.10	2.12	2.06
500	50	22	2.12	2.14	2.16	2.11
525	50	22	2.16	2.18	2.20	2.15
550	50	22	2.20	2.22	2.24	2.19

## 50 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
375	50	23	2.01	2.04	2.07	1.99
400	50	23	2.05	2.09	2.12	2.04
425	50	23	2.10	2.13	2.16	2.08
450	50	23	2.15	2.18	2.21	2.13
475	50	23	2.19	2.22	2.25	2.17
500	50	23	2.23	2.26	2.29	2.22
525	50	23	2.28	2.31	2.34	2.26

<b>550</b>	<b>50</b>	<b>23</b>	<b>2.32</b>	<b>2.35</b>	<b>2.38</b>	<b>2.30</b>
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## 52 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
<b>400</b>	<b>50</b>	<b>24</b>	<b>2.14</b>	<b>2.17</b>	<b>2.19</b>	<b>2.12</b>
<b>425</b>	<b>50</b>	<b>24</b>	<b>2.19</b>	<b>2.22</b>	<b>2.24</b>	<b>2.17</b>
<b>450</b>	<b>50</b>	<b>24</b>	<b>2.23</b>	<b>2.27</b>	<b>2.29</b>	<b>2.22</b>
<b>475</b>	<b>50</b>	<b>24</b>	<b>2.28</b>	<b>2.31</b>	<b>2.33</b>	<b>2.27</b>
<b>500</b>	<b>50</b>	<b>24</b>	<b>2.33</b>	<b>2.36</b>	<b>2.38</b>	<b>2.31</b>
<b>525</b>	<b>50</b>	<b>24</b>	<b>2.37</b>	<b>2.40</b>	<b>2.42</b>	<b>2.36</b>
<b>550</b>	<b>50</b>	<b>24</b>	<b>2.41</b>	<b>2.44</b>	<b>2.46</b>	<b>2.40</b>
<b>575</b>	<b>50</b>	<b>24</b>	<b>2.46</b>	<b>2.49</b>	<b>2.51</b>	<b>2.44</b>

## 54 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
<b>400</b>	<b>50</b>	<b>25</b>	<b>2.22</b>	<b>2.25</b>	<b>2.28</b>	<b>2.20</b>
<b>425</b>	<b>50</b>	<b>25</b>	<b>2.27</b>	<b>2.30</b>	<b>2.33</b>	<b>2.25</b>
<b>450</b>	<b>50</b>	<b>25</b>	<b>2.32</b>	<b>2.35</b>	<b>2.37</b>	<b>2.30</b>
<b>475</b>	<b>50</b>	<b>25</b>	<b>2.37</b>	<b>2.40</b>	<b>2.42</b>	<b>2.35</b>
<b>500</b>	<b>50</b>	<b>25</b>	<b>2.42</b>	<b>2.45</b>	<b>2.47</b>	<b>2.40</b>
<b>525</b>	<b>50</b>	<b>25</b>	<b>2.46</b>	<b>2.49</b>	<b>2.52</b>	<b>2.45</b>
<b>550</b>	<b>50</b>	<b>25</b>	<b>2.51</b>	<b>2.54</b>	<b>2.56</b>	<b>2.50</b>
<b>575</b>	<b>50</b>	<b>25</b>	<b>2.56</b>	<b>2.58</b>	<b>2.61</b>	<b>2.54</b>

## 56 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
<b>425</b>	<b>50</b>	<b>26</b>	<b>2.35</b>	<b>2.38</b>	<b>2.40</b>	<b>2.33</b>
<b>450</b>	<b>50</b>	<b>26</b>	<b>2.40</b>	<b>2.43</b>	<b>2.45</b>	<b>2.38</b>
<b>475</b>	<b>50</b>	<b>26</b>	<b>2.45</b>	<b>2.48</b>	<b>2.50</b>	<b>2.44</b>
<b>500</b>	<b>50</b>	<b>26</b>	<b>2.50</b>	<b>2.53</b>	<b>2.55</b>	<b>2.49</b>
<b>525</b>	<b>50</b>	<b>26</b>	<b>2.55</b>	<b>2.58</b>	<b>2.60</b>	<b>2.54</b>
<b>550</b>	<b>50</b>	<b>26</b>	<b>2.60</b>	<b>2.63</b>	<b>2.65</b>	<b>2.58</b>
<b>575</b>	<b>50</b>	<b>26</b>	<b>2.64</b>	<b>2.67</b>	<b>2.69</b>	<b>2.63</b>
<b>600</b>	<b>50</b>	<b>26</b>	<b>2.69</b>	<b>2.72</b>	<b>2.74</b>	<b>2.68</b>

## 58 " Single Speed Center

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
<b>425</b>	<b>50</b>	<b>27</b>	<b>2.43</b>	<b>2.46</b>	<b>2.49</b>	<b>2.42</b>
<b>450</b>	<b>50</b>	<b>27</b>	<b>2.49</b>	<b>2.52</b>	<b>2.54</b>	<b>2.47</b>
<b>475</b>	<b>50</b>	<b>27</b>	<b>2.54</b>	<b>2.57</b>	<b>2.59</b>	<b>2.53</b>
<b>500</b>	<b>50</b>	<b>27</b>	<b>2.59</b>	<b>2.62</b>	<b>2.64</b>	<b>2.58</b>
<b>525</b>	<b>50</b>	<b>27</b>	<b>2.64</b>	<b>2.67</b>	<b>2.69</b>	<b>2.63</b>
<b>550</b>	<b>50</b>	<b>27</b>	<b>2.69</b>	<b>2.72</b>	<b>2.74</b>	<b>2.68</b>

<b>575</b>	50	27	<b>2.74</b>	<b>2.77</b>	<b>2.79</b>	<b>2.73</b>
<b>600</b>	50	27	<b>2.79</b>	<b>2.82</b>	<b>2.84</b>	<b>2.78</b>

## **59 " Single Speed Center**

Door Weight	Equipment Weight	Code Distance	MOD	MOM	MOH	MOVFR
<b>425</b>	50	27.5	<b>2.47</b>	<b>2.50</b>	<b>2.53</b>	<b>2.46</b>
<b>450</b>	50	27.5	<b>2.53</b>	<b>2.56</b>	<b>2.58</b>	<b>2.51</b>
<b>475</b>	50	27.5	<b>2.58</b>	<b>2.61</b>	<b>2.64</b>	<b>2.57</b>
<b>500</b>	50	27.5	<b>2.64</b>	<b>2.67</b>	<b>2.69</b>	<b>2.62</b>
<b>525</b>	50	27.5	<b>2.69</b>	<b>2.72</b>	<b>2.74</b>	<b>2.67</b>
<b>550</b>	50	27.5	<b>2.74</b>	<b>2.77</b>	<b>2.79</b>	<b>2.72</b>
<b>575</b>	50	27.5	<b>2.79</b>	<b>2.82</b>	<b>2.84</b>	<b>2.77</b>
<b>600</b>	50	27.5	<b>2.84</b>	<b>2.87</b>	<b>2.89</b>	<b>2.82</b>