

BHMA Cycles per Standard				
A156.	Grade 1	Preload	Grade 2	Grade 3
1	2,500,000		1,500,000	350,000
2	1,000,000	10 lb	500,000	250,000
3	500,000	20 lb	250,000	100,000
4	1,500,000		1,000,000	500,000
12	800,000	10 lb	400,000	200,000
13	1,000,000	10 lb	800,000	800,000
17	1,000,000		500,000	250,000
19	300,000		-	-
23	1,000,000		1,000,000	1,000,000
24	10,000		-	-
26	See below			
31	500,000	25 or 15 lb	400,000	400,000
32	1,000,000	20 lb	500,000	-
36	See below			
37	800,000	10 lb	400,000	200,000
39	400,000	5 lb	300,000	150,000
40	See below			

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Grade 1-150	Grade 2-150	Grade 3-150
2,500,000	1,500,000	350,000
Grade 1-300	Grade 2-300	Grade 3-300
1,000,000	500,000	150,000
Grade 1-600	Grade 2-600	Grade 3-600
500,000	250,000	100,000
Grade 1-1200	Grade 2-1200	Grade 3-1200
250,000	100,000	50,000

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Type Latch	Grade 1	Grade 2	Grade 3
Dead Latches	500,000	300,000	200,000
Dead Locks	250,000	150,000	100,000

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Type Latch	Grade A	Grade B	Grade C
Dead Latches	400,000	300,000	150,000
Dead Locks	250,000	150,000	100,000

A156.32 Cycles from Reference Standards – March 2019

Door Weight from A156.1

Hinge Height or Type inches (mm)	Grades 1 & 2 lbs (kg)	Grades 3 & 4 lbs (kg)	Double Weight lbs (kg)	Triple Weight lbs (kg)
3 (76)	--	40 (18)		
3 1/2 (89)	100 (45)	45 (20)		
4 (102)	125 (57)	60 (27)		
4 1/2 (114)	150 (68)	75 (34)		
5 (127)	175 (79)	100 (45)		
6 (152)	230 (104)	125 (57)		
8 (203)	300 (135)	--		
Double Weight			600 (270)	
Triple Weight				1200 (540)

A156.2 Door Weight - None specified

A156.3 Door Weight – 3.0 x 7.0