

TEST REPORT: BREAK AWAY FORCE FOR HALLIDAY+BAILLIE MAGNETIC DOOR STOPS

Purpose of test:	To determine the breakaway force of the following Halliday+Baillie door stops: HB710, HB710-L, HB720, HB760
Equipment used:	Chatillon force gauge Model in-30
Test Set up:	The door holder was mounted to stationary block using the provided holder fasteners. The keeper, was then attached to a separate block with an eye hook for pulling, again attached with the provided fasteners. Once the keeper was engaged with the door holder, using the gauge, the keeper was pulled from the holder in a direction perpendicular to the face of the door stop until the keeper broke away from the door stop magnet.

TEST RESULTS

	Pull #1	Pull #2	Pull #3	Pull #4	Pull #5	Pull #6	Pull #7	Pull #8	Pull #9	Pull #10	Average	Median
Product tested	kgs (lbs)	kgs (lbs)	kgs (lbs)	kgs (lbs)	kgs (lbs)	kgs (lbs)	kgs (lbs)	kgs (lbs)	kgs (lbs)	kgs (lbs)		
H+B 710	5 (11)	5 (11)	5 (11)	6 (13)	5.5 (12)	7 (15)	7 (15)	7 (15)	7 (15)	6.5 (14)	6.8 (13.2)	13.5
H+B 710L	6.5 (14)	6 (14)	8 (18)	7 (15)	7.5 (16)	7.5 (16)	7.5 (16)	5 (11)	8 (18)	7.5 (16)	7.05 (15.3)	16
H+B 720	5 (11)	2 (4)	6 (13)	6 (13)	5.5 (12)	5.5 (12)	5 (11)	6.5 (14)	5.5 (12)	4.5 (10.5)	5.15 (11.45)	12
H+B 760	9 (20)	8 (17)	12 (26.5)	7 (15.5)	7 (15.5)	9.5 (21)	10.5 (23)	8.5 (18)	12 (26.5)	11.5 (25.5)	9.5 (20.8)	20.5

Note: results are strictly for reference only and should not be used for specification of this hardware.

H+B 710	11	11	11	13	12	15	15	15	15	14	13.5
H+B 710L	14	14	18	15	16	16	16	11	18	16	16
H+B 720	11	4	13	13	12	12	11	14	12	10.5	12
H+B 760	20	17	26.5	15.5	15.5	21	23	18	26.5	25.5	20.5

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	avg	median
710 / 720	11	11	11	13	12	15	15	15	15	14	11	12	13	13	12	12	11	14	12	10.5	12.7	12.0
710L / 760	14	14	18	15	16	16	16	11	18	16	20	17	26.5	15.5	15.5	21	23	18	26.5	25.5	18.1	16.5



