

60A and 60AX Series - The Invisible Balance

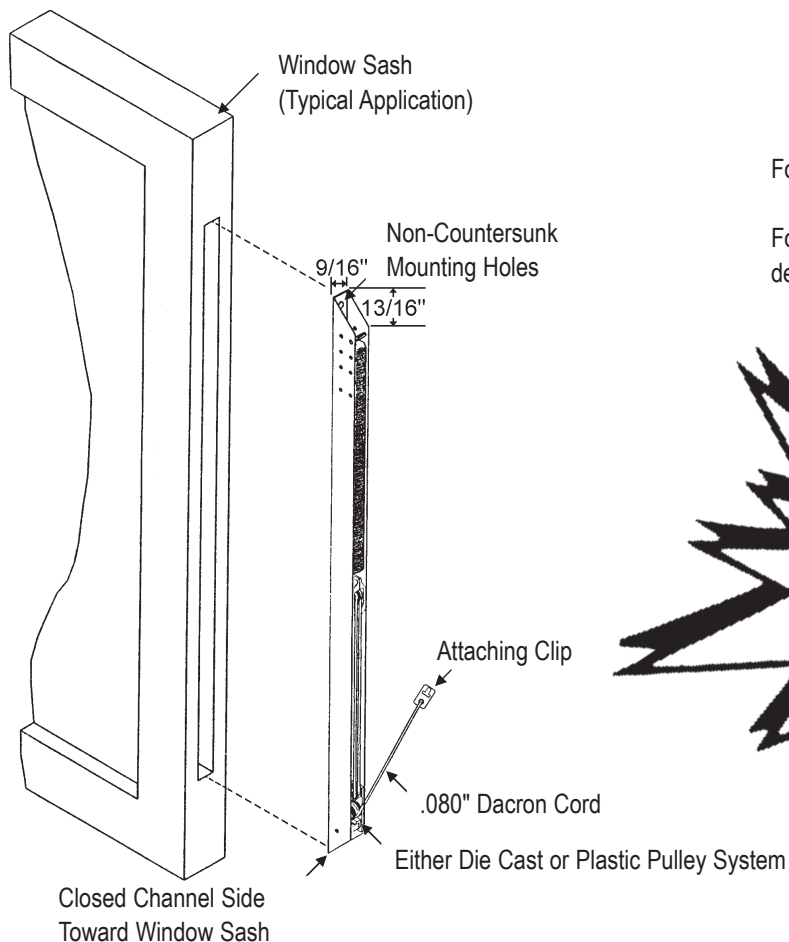
The Invisible Balance has been used for over 25 years, primarily for wood windows. They are an excellent choice for historic window renovations, eliminating exposed hardware and maintaining the original window appearance. This product is the favorite of the custom millwork industry when jambliner aesthetics are not acceptable.

ORDERING INFORMATION:

- 1) Measure metal channel length.
- 2) Check number stamped on channel. (e.g. 101 or 101A or 101AX etc.)
- 3) Select our corresponding part numbers from the chart on following page and order accordingly.
- 4) Additional cord lengths are available: for 10" add "A" after part number, 5" add "B" and 8" add "C". Contact your account manager for other variations.

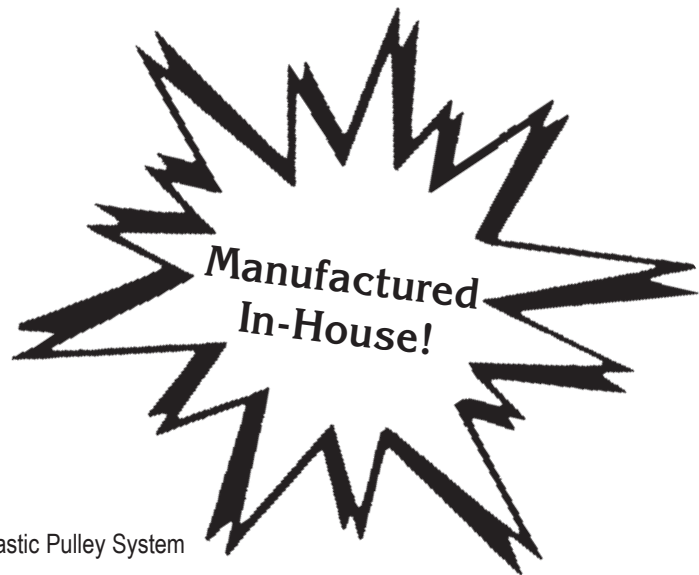
NOTE: If you have any unusual number/letter variations that are not shown in the chart, please consult your representative to be sure that your order will be filled correctly.

NOTE: With the 60A and 60AX series take out system, the sash balance becomes part of the sash. Therefore, when calculating sash weights, you must add the physical balance weight to the sash weights.



For "A" type balance make plough in sash 5/8" wide X 1" deep.

For "AX" type balance make plough in sash 5/8" wide X 1-1/8" deep to accommodate double spring.



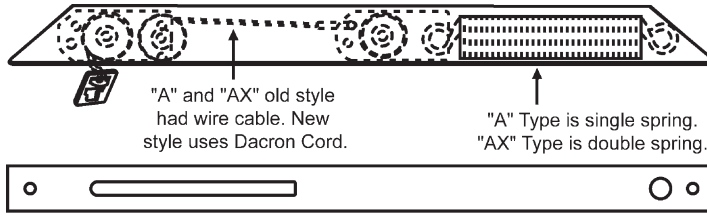
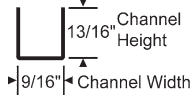
Refer to chart on following page.

SERIES A/AX BALANCE INSTALLATION

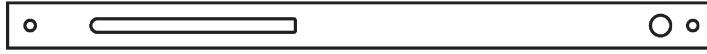
- Both "A" and "AX" balances are designed to counterbalance certain weights, regardless of the thickness of the sash. Do not overload.
- For odd height glass use the next smaller balance.
- When ploughing for over 36" glass height start at bottom of each sash, as always, and make groove the same length as you do for 36" glass leaving extra wood at top of stiles.

Sash Support Systems

60A and 60AX Series - The Invisible Balance

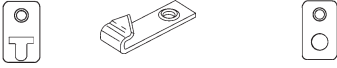


Old style is slotted;
new style is not.



Bottom View

End Brackets



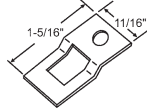
900-17773

60-518HD

900-21263

(Preferred) Brass Fitting with
Round Screw Hole

Attaching Clip



60-704M

Example Ordering Chart

Length of Metal Channel	Number Stamped on Balance	Our Part Number	End Bracket	Cord Length	Complete Part Number
13-1/2"	101	60-A101	Standard	Standard	60-A101
13-1/2"	101	60-A101	1	Standard	60-A101-1
13-1/2"	101	60-A101	10	Standard	60-A101-10
13-1/2"	101	60-A101	10	+ 10"	60-A101-10A
13-1/2"	101	60-A101	10	+ 5"	60-A101-10B
13-1/2"	101	60-A101	10	+ 8"	60-A101-10C

Standard

-1

-10

"A" TYPE (Single Spring)

Glass Height	Length of Metal Channel	Balance Number	Sash Weight Per Pair	Standard Cord Length	Our Part Number
12"	13-1/2"	101	5-7 lbs.	31"	60-A101
12"	13-1/2"	102	7-11 lbs.	31"	60-A102
14"	15-1/2"	111	5-8 lbs.	33"	60-A111
14"	15-1/2"	112	8-11 lbs.	33"	60-A112
16"	17-1/2"	121	5-9 lbs.	35"	60-A121
16"	17-1/2"	122	9-12 lbs.	35"	60-A122
18"	19-1/2"	131	5-9 lbs.	37"	60-A131
18"	19-1/2"	132	9-13 lbs.	37"	60-A132
20"	21-1/2"	141	5-9 lbs.	39"	60-A141
20"	21-1/2"	142	9-12 lbs.	39"	60-A142
20"	21-1/2"	143	12-14 lbs.	39"	60-A143
22"	23-1/2"	151	6-10 lbs.	41"	60-A151
22"	23-1/2"	152	10-12 lbs.	41"	60-A152
22"	23-1/2"	153	12-15 lbs.	41"	60-A153
24"	25-1/2"	161	6-10 lbs.	43"	60-A161
24"	25-1/2"	162	10-14 lbs.	43"	60-A162
24"	25-1/2"	163	14-18 lbs.	43"	60-A163
26"	27-1/2"	171	6-10 lbs.	45"	60-A171
26"	27-1/2"	172	10-14 lbs.	45"	60-A172
26"	27-1/2"	173	14-18 lbs.	45"	60-A173
28"	29-1/2"	181	7-12 lbs.	47"	60-A181
28"	29-1/2"	182	12-16 lbs.	47"	60-A182
28"	29-1/2"	183	16-20 lbs.	47"	60-A183
30"	31-1/2"	191	7-12 lbs.	49"	60-A191
30"	31-1/2"	192	12-16 lbs.	49"	60-A192
30"	31-1/2"	193	16-20 lbs.	49"	60-A193
32"	33-1/2"	201	8-14 lbs.	51"	60-A201
32"	33-1/2"	202	14-18 lbs.	51"	60-A202
32"	33-1/2"	203	18-22 lbs.	51"	60-A203
34"	35-1/2"	211	8-14 lbs.	53"	60-A211
34"	35-1/2"	212	14-18 lbs.	53"	60-A212
34"	35-1/2"	213	18-22 lbs.	53"	60-A213
36"	37-1/2"	221	8-15 lbs.	55"	60-A221
36"	37-1/2"	222	15-20 lbs.	55"	60-A222
36"	37-1/2"	223	20-24 lbs.	55"	60-A223
38"	37-1/2"	231	8-15 lbs.	57"	60-A231
38"	37-1/2"	232	15-20 lbs.	57"	60-A232
38"	37-1/2"	233	20-24 lbs.	57"	60-A233
40"	37-1/2"	241	8-15 lbs.	59"	60-A241
40"	37-1/2"	242	15-20 lbs.	59"	60-A242
40"	37-1/2"	243	20-24 lbs.	59"	60-A243
42"	37-1/2"	251	8-15 lbs.	61"	60-A251
42"	37-1/2"	252	15-20 lbs.	61"	60-A252
42"	37-1/2"	253	20-24 lbs.	61"	60-A253

NOTE: Whenever you add cord length to standard length you reduce the sash weight capacity and forfeit the warranty.

NOTE: Numbers stamped on balances may be the same - single spring designated by "A" - double spring designated by "AX".

NOTE: When determining sash weight, you need to include the weight of the balances. (e.g. Sash weighs 20 lbs. (2) balances weigh 3 lbs. Total sash weight is 23 lbs.)

"AX" TYPE (Double Spring)

Glass Height	Length of Metal Channel	Balance Number	Sash Weight Per Pair	Standard Cord Length	Our Part Number
12"	13-1/2"	101AX	11-16 lbs.	31"	60-AX101
12"	13-1/2"	102AX	16-24 lbs.	31"	60-AX102
14"	15-1/2"	111AX	11-16 lbs.	33"	60-AX111
14"	15-1/2"	112AX	16-25 lbs.	33"	60-AX112
16"	17-1/2"	121AX	12-19 lbs.	35"	60-AX121
16"	17-1/2"	122AX	19-26 lbs.	35"	60-AX122
18"	19-1/2"	131AX	13-19 lbs.	37"	60-AX131
18"	19-1/2"	132AX	19-26 lbs.	37"	60-AX132
20"	21-1/2"	141AX	14-20 lbs.	39"	60-AX141
20"	21-1/2"	142AX	20-26 lbs.	39"	60-AX142
20"	21-1/2"	143AX	26-30 lbs.	39"	60-AX143
22"	23-1/2"	151AX	15-20 lbs.	41"	60-AX151
22"	23-1/2"	152AX	20-26 lbs.	41"	60-AX152
22"	23-1/2"	153AX	26-32 lbs.	41"	60-AX153
24"	25-1/2"	161AX	18-23 lbs.	43"	60-AX161
24"	25-1/2"	162AX	23-28 lbs.	43"	60-AX162
24"	25-1/2"	163AX	28-34 lbs.	43"	60-AX163
24"	25-1/2"	164AX	34-38 lbs.	43"	60-AX164
26"	27-1/2"	171AX	18-23 lbs.	45"	60-AX171
26"	27-1/2"	172AX	23-28 lbs.	45"	60-AX172
26"	27-1/2"	173AX	28-34 lbs.	45"	60-AX173
26"	27-1/2"	174AX	34-38 lbs.	45"	60-AX174
28"	29-1/2"	181AX	20-25 lbs.	47"	60-AX181
28"	29-1/2"	182AX	25-32 lbs.	47"	60-AX182
28"	29-1/2"	183AX	32-38 lbs.	47"	60-AX183
28"	29-1/2"	184AX	38-42 lbs.	47"	60-AX184
30"	31-1/2"	191AX	20-25 lbs.	49"	60-AX191
30"	31-1/2"	192AX	25-32 lbs.	49"	60-AX192
30"	31-1/2"	193AX	32-38 lbs.	49"	60-AX193
30"	31-1/2"	194AX	38-42 lbs.	49"	60-AX194
32"	33-1/2"	201AX	22-28 lbs.	51"	60-AX201
32"	33-1/2"	202AX	28-34 lbs.	51"	60-AX202
32"	33-1/2"	203AX	34-40 lbs.	51"	60-AX203
32"	33-1/2"	204AX	40-44 lbs.	51"	60-AX204
34"	35-1/2"	211AX	22-28 lbs.	53"	60-AX211
34"	35-1/2"	212AX	28-34 lbs.	53"	60-AX212
34"	35-1/2"	213AX	34-40 lbs.	53"	60-AX213
34"	35-1/2"	214AX	40-44 lbs.	53"	60-AX214
36"	37-1/2"	221AX	24-30 lbs.	55"	60-AX221
36"	37-1/2"	222AX	30-36 lbs.	55"	60-AX222
36"	37-1/2"	223AX	36-42 lbs.	55"	60-AX223
36"	37-1/2"	224AX	42-48 lbs.	55"	60-AX224
38"	37-1/2"	231AX	24-30 lbs.	57"	60-AX231
38"	37-1/2"	232AX	30-36 lbs.	57"	60-AX232
38"	37-1/2"	233AX	36-42 lbs.	57"	60-AX233
38"	37-1/2"	234AX	42-48 lbs.	57"	60-AX234
40"	37-1/2"	241AX	24-30 lbs.	59"	60-AX241
40"	37-1/2"	242AX	30-36 lbs.	59"	60-AX242
40"	37-1/2"	243AX	36-42 lbs.	59"	60-AX243
40"	37-1/2"	244AX	42-48 lbs.	59"	60-AX244
42"	37-1/2"	251AX	24-30 lbs.	61"	60-AX251
42"	37-1/2"	252AX	30-36 lbs.	61"	60-AX252
42"	37-1/2"	253AX	36-42 lbs.	61"	60-AX253
42"	37-1/2"	254AX	42-48 lbs.	61"	60-AX254