



PRODUCT CATALOGUE



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WELCOME TO CD INTERNATIONAL

If you use balancing weights for any type of rotating equipment you've come to the right place. Our goal is to help you balance rotating machinery in an efficient, effective and professional manner. We stock over 10 million pieces of 100 sizes of balancing correction weights so we can meet your most immediate requirements with same day shipping. A large part of our product line is the result of filling specific customer needs, and we do have a significant stock of custom balancing clips. We also have the capability to produce your custom metal stampings with quality you can depend on. If you need a part you don't see in our product line, give us a call to discuss your specific application. Along with balancing correction weights, we also give you access to alignment shims and balancing accessories.

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BALANCING CORRECTION WEIGHT KITS

BASK & BK-PRO

The Balancing Accessory Starter Kit (*BASK*) and the Balancing Kit Pro (*BK-PRO*) were designed for the balancing consultants who never know what balancing challenges they may be called upon to perform. They contain a number of sizes of the common balancing correction weights so you will always have the proper weight for the job. Stainless steel, sheave balancing weights, severe duty weights, extra wide air foil weights or other specialty weights can be added to the kits as needed.

All our balancing weights can also be ordered individually in the quantities and sizes required for both initial or restocking orders.



PART NUMBER	COMPONENTS	DESCRIPTION	PRICE
BASK Balancing Accessories Starter Kit	BC-Clips	Squirrel Cage Clips: 275 pieces; 25 ea. 0.2 – 13.0 grams	\$755.00
	SC-KIT	Steel C-Clamps: 28 pcs.: 2 ea. clamp .04 – 8.0 ounces	
	AFC-Clips	AFC-KIT Air Foil Clips: 60 pieces; 10 ea. wt. .125 – 2.0 ounces	
	GRBT	Glass Reflective Bead Tape	
	CC-10	Deluxe 2-sided Carrying Case	
BK-PRO Balancing Kit Pro	Complete BASK plus RIC-Clips	Includes the BASK (374 pcs) plus: 180 pieces of Backward Incline Clips: 25 ea. 0.5 – 14.0 gram weights and 10 ea. 28.0 – 56.0 gram weights	\$920.00

FAN BALANCING C-CLAMPS

Steel Balancing C-Clamps SC-KIT

Steel Balancing C-Clamps are used as permanent correction weights on vane axial flow fans and squirrel cage fans. They have a serrated surface opposite the set screws that provides additional holding power.



DESCRIPTION	PRICE
Steel Balancing C-Clamps may be purchased as a pre-packaged set consisting of 28 pieces: – 2 of each clamp size from .04 oz. to 8.0 oz. – Includes set of 4 L-wrenches to fit all C-clamps in kit	\$295.00

Replacement Weights (priced individually):

PART NUMBER	THROAT SIZE	DESCRIPTION	PRICE
AC-004	3/16"	1 x .04 ounce	\$11.95
AC-01	5/16"	1 x .10 ounce	\$11.95
SC-25	5/16"	1 x .25 ounce	\$11.95
SC-50	5/16"	1 x .50 ounce	\$12.30
SC-75	5/16"	1 x .75 ounce	\$12.30
SC-1	7/16"	1 x 1.0 ounce	\$12.30
SC-150	7/16"	1 x 1.5 ounce	\$12.60
SC-2	5/8"	1 x 2.0 ounce	\$12.60
SC-3	5/8"	1 x 3.0 ounce	\$12.60
SC-4	5/8"	1 x 4.0 ounce	\$12.60
SC-5	3/4"	1 x 5.0 ounce	\$13.80
SC-6	3/4"	1 x 6.0 ounce	\$13.80
SC-7	3/4"	1 x 7.0 ounce	\$13.80
SC-8	3/4"	1 x 8.0 ounce	\$13.80

Double Sided Set Screw C-Clamps

These severe-duty balancing correction weight C-clamps are designed for harsher environments or high surface speed. They have set screws on both jaws making them ideal for use in these situations or where fan blades may be corroded or other wise difficult to secure a weight to. The set screws on one side of the C-clamp are tightened until the fan blade is locked in between the set screw points and the serrated surface on the other side of the clamp. The second set of screws on the other jaw are then tightened to further secure the weight.



PART NUMBER	THROAT SIZE	DESCRIPTION	PRICE
DSS-SC-2	5/8"	1 x 2.0 ounce	\$16.70
DSS-SC-3	5/8"	1 x 3.0 ounce	\$16.70
DSS-SC-4	5/8"	1 x 4.0 ounce	\$16.70
DSS-SC-5	3/4"	1 x 5.0 ounce	\$20.65
DSS-SC-6	3/4"	1 x 6.0 ounce	\$20.65
DSS-SC-7	3/4"	1 x 7.0 ounce	\$20.65
DSS-SC-8	3/4"	1 x 8.0 ounce	\$20.65

Stainless Steel Balancing C-Clamps

The Stainless Steel C-Clamps are made from 303 stainless steel and are used as permanent correction weights on vane axial fans and squirrel cage fans.

Pre-Packaged Set STSC-KIT:



DESCRIPTION	PRICE
Complete Set: 22 pieces, 2 of each clamp .125 – 8.0 ounces	546.00

Replacement Weights (priced individually)

PART NUMBER	THROAT SIZE	DESCRIPTION	PRICE
STSC-125	3/16"	1 x .125 ounce	\$23.40
STSC-25	5/16"	1 x .25 ounce	\$23.40
STSC-50	5/16"	1 x .50 ounce	\$23.40
STSC-75	5/16"	1 x .75 ounce	\$23.40
STSC-1	5/16"	1 x 1.0 ounce	\$23.40
STSC-150	5/8"	1 x 1.5 ounce	\$25.80
STSC-2	5/8"	1 x 2.0 ounce	\$25.80
STSC-3	5/8"	1 x 3.0 ounce	\$25.80
STSC-4	5/8"	1 x 4.0 ounce	\$25.80
STSC-5	3/4"	1 x 5.0 ounce	\$28.20
STSC-6	3/4"	1 x 6.0 ounce	\$28.20
STSC-8	3/4"	1 x 8.0 ounce	\$28.20

SQUIRREL CAGE BALANCING CLIPS

Our squirrel cage clips have a slight curve designed for balancing fans with curved blades. For flat fan blade applications see Backward Incline Clips or Stainless Steel Backward Incline Clips.



PART NUMBER	DESCRIPTION	PRICE
FS-BC-100	Full Set: 1100 Squirrel Cage Clips; 100 pcs of each weight .02 – 13.0 grams	\$667.00
2BC-KIT	Set of 25 ea. Wt. from 0.2 g – 13.0 g.	\$266.00

Replacement Packages:

PART NUMBER	DESCRIPTION	PRICE / 100 CLIP PKG.
1BC-02	0.2 gm squirrel cage clips	\$49.80
1BC-04	0.4 gm squirrel cage clips	\$49.80
1BC-06	0.6 gm squirrel cage clips	\$49.80
1BC-08	0.8 gm squirrel cage clips	\$49.80
1BC-16	1.6 gm squirrel cage clips	\$49.80
1BC-24	2.4 gm squirrel cage clips	\$61.80
1BC-33	3.3 gm squirrel cage clips	\$61.80
1BC-49	4.9 gm squirrel cage clips	\$72.50
1BC-65	6.5 gm squirrel cage clips	\$72.50
1BC-98	9.8 gm squirrel cage clips	\$89.50
1BC-130	13.0 gm squirrel cage clips	\$99.50
PART NUMBER	DESCRIPTION	PRICE / 25 CLIP PKG.
2BC-02	0.2 gm squirrel cage clips	\$21.60
2BC-04	0.4 gm squirrel cage clips	\$21.60
2BC-06	0.6 gm squirrel cage clips	\$21.60
2BC-08	0.8 gm squirrel cage clips	\$21.60
2BC-16	1.6 gm squirrel cage clips	\$21.60

2BC-24	2.4 gm squirrel cage clips	\$26.00
2BC-33	3.3 gm squirrel cage clips	\$26.70
2BC-49	4.9 gm squirrel cage clips	\$31.80
2BC-65	6.5 gm squirrel cage clips	\$31.80
2BC-98	9.8 gm squirrel cage clips	\$31.80
2BC-130	13.0 gm squirrel cage clips	\$31.80

Balancing Clip Installation and Removal Tools

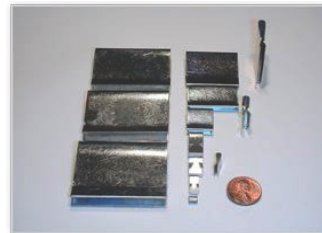
The tool head has an embedded magnet that holds the weight in place to facilitate installation and removal and eliminates loss of the weight. An extendable handle enables access into tight areas. Aluminium construction prevents sparking in flammable areas and keeps the magnet from attaching itself to metallic objects.



PART NUMBER	DESCRIPTION	PRICE
BCIT	The handle is 12" long and comes equipped with a 12" extension if required. Overall length, with head, is 26 1/4" long.	\$85.00

BACKWARD INCLINE BALANCING CLIPS

These clips are flat and are designed for flat bladed fans like reverse inclined fans. See Squirrel Cage Clips for fans with curved blades.



BACKWARD INCLINE BALANCING KITS

PART NUMBER	DESCRIPTION	PRICE
FS-RIC-100	Full Set: 1100 pieces, 100 each wt. 0.25-56.0 grams	\$990.00
2RIC-KIT	Small Set: 300 pieces, 25 each wt. 0.1g – 56.0 g.	\$395.00

Replacement Packages:

PART NUMBER	DESCRIPTION	PRICE / 100 CLIP PKG.
1RIC-01	0.1 gm backward incline clip	\$41.95
1RIC-025	0.25 gm backward incline clip	\$41.95

1RIC-05	0.5 gm backward incline clip	\$41.95
1RIC-B-05	Black Zinc Plated*0.5 gm backward incline clip	\$41.95
1RIC-08	0.8 gm backward incline clip	\$41.95
1RIC-B-08	Black Zinc Plated* 0.8 gm backward incline clip	\$41.95
1RIC-18	1.8 gm backward incline clip	\$41.95
1RIC-B-18	Black Zinc Plated* 1.8 gm backward incline clip	\$41.95
1RIC-36	3.6gm backward incline clip	\$51.95
1RIC-B-36	Black Zinc Plated* 3.6 gm backward incline clip	\$51.95
1RIC-50	5.0 gm backward incline clip	\$55.95

1RIC-70	7.0 gm backward incline clip	\$61.95
1RIC-140	14.0 gm backward incline clip	\$91.95
1RIC-280	28.0 gm backward incline clip	\$162.00
1RIC-420	42.0 gm backward incline clip	\$197.00
1RIC-560	56.0 gm backward incline clip	\$227.00

PART NUMBER	DESCRIPTION	PRICE / 25 CLIP PKG.
2RIC-01	0.1 gm backward incline clip	\$18.00
2RIC-025	0.25 gm backward incline clip	\$18.00
2RIC-05	0.5 gm backward incline clip	\$18.00
2RIC-B-05	Black Zinc Plated*0.5 gm backward incline clip	\$18.00
2RIC-08	0.8 gm backward incline clip	\$18.00
2RIC-B-08	Black Zinc Plated* 0.8 gm backward incline clip	\$18.00
2RIC-18	1.8 gm backward incline clip	\$18.00
2RIC-B-18	Black Zinc Plated* 1.8 gm backward incline clip	\$18.00
2RIC-36	3.6gm backward incline clip	\$22.25
2RIC-B-36	Black Zinc Plated* 3.6 gm backward incline clip	\$22.25
2RIC-50	5.0 gm backward incline clip	\$24.50
2RIC-70	7.0 gm backward incline clip	\$26.50
2RIC-140	14.0 gm backward incline clip	\$38.40
2RIC-280	28.0 gm backward incline clip	\$65.00
2RIC-420	42.0 gm backward incline clip	\$93.80

2RIC-560	56.0 gm backward incline clip	\$121.00
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***Black Zinc Plated Backward Incline Clips**

We now offer four sizes of our backward incline clips with a black zinc coating. They are sold in packages of 25 or 100 as listed above.

Stainless Steel Backward Incline Balancing Clips

Clips are made of 410 stainless steel and are packaged in quantities of 25. Pre-Packaged Sets:



PART NUMBER	DESCRIPTION	PRICE
FS-ST-RIC KIT	Full Set: 300 pieces, 2 X 25 each wt. 0.5 – 14.0 grams	\$410.00

Replacement Packages:

PART NUMBER	DESCRIPTION	PRICE / 25 CLIP PKG.
ST-RIC-05	0.5 gram stainless steel clips	\$33.60 per pack
ST-RIC-09	0.9 gram stainless steel clips	\$33.60 per pack
ST-RIC-18	1.8 gram stainless steel clips	\$33.60 per pack
ST-RIC-39	3.9 gram stainless steel clips	\$39.90 per pack
ST-RIC-70	7.0 gram stainless steel clips	\$46.90 per pack
ST-RIC-140	14.0 gram stainless steel clips	\$55.20 per pack

AIR FOIL BALANCING CLIPS

Air foil clips are used on blowers manufactured by companies such as Trane, Carrier, Twin City, New York and Chicago Blowers. C D International offers Extra Wide, Narrow and Teflon coated Air Foil Clips in addition to the standard clips pictured below.

Standard Air Foil Clips



Standard Air Foil Clips have a 3/4" opening or throat size. The clips average 1.1" depth.

Pre-Packaged Sets:

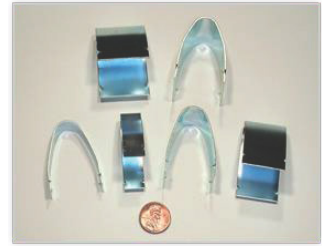
PART NUMBER	DESCRIPTION	PRICE
AFC-KIT	Complete Set: 60 Pieces; 10 each weight	\$160.00

Replacement Packages:

PART NUMBER	DESCRIPTION	PRICE
AFC-125	10 x 0.125 ounce clips	\$18.50
AFC-25	10 x 0.25 ounce clips	\$18.50
AFC-50	10 x 0.50 ounce clips	\$20.95
AFC-100	10 x 1.00 ounce clips	\$35.95
AFC-150	10 x 1.50 ounce clips	\$45.95
AFC-200	10 x 2.00 ounce clips	\$50.95

Extra Wide Air Foil Balancing Clips

These clips have a 1.1 inch opening or throat size. The depth averages 1.2 inches.



PART NUMBER	DESCRIPTION	PRICE
XW-AFC-25	10 x 0.25 oz. eXtra Wide clips	\$31.80
XW-AFC-50	10 x 0.50 oz. eXtra Wide clips	\$33.00
XW-AFC-100	10 x 1.00 oz. eXtra Wide clips	\$45.00

Narrow Air Foil Balancing Clips

Narrow Air Foil Clips have an average throat size of 0.550 inches and depth of 0.9 inches.

PART NUMBER	DESCRIPTION	PRICE
N-AFC-125	10 x 0.125 oz. Narrow air foil clips	\$26.30
N-AFC-25	10 x 0.25 oz. Narrow air foil clips	\$26.30
N-AFC-50	10 x 0.50 oz. Narrow air foil clips	\$32.40
N-AFC-100	10 x 1.00 oz. Narrow air foil clips	\$44.00
N-AFC-150	10 x 1.50 oz. Narrow air foil clips	\$55.90
N-AFC-200	10 x 2.00 oz. Narrow air foil clips	\$64.40

Teflon Coated Air Foil Clips

Teflon coated air foil clips are suited to harsh environment and high temperature applications.

Replacement Packages:

PART NUMBER	DESCRIPTION	PRICE
T-AFC-125	10 x 0.125 oz. Teflon coated air foil clips	\$34.00
T-AFC-25	10 x 0.25 oz. Teflon coated air foil clips	\$34.00
T-AFC-50	10 x 0.50 oz. Teflon coated air foil clips	\$34.00
T-AFC-100	10 x 1.00 oz. Teflon coated air foil clips	\$38.25
T-AFC-150	10 x 1.50 oz. Teflon coated air foil clips	\$67.15
T-AFC-200	10 x 2.00 oz. Teflon coated air foil clips	\$76.50
T-XW-AFC-25	10 x 0.25 oz. Teflon coated, eXtra Wide air foil clips	\$47.60
T-XW-AFC-50	10 x 0.50 oz. Teflon coated, eXtra Wide air foil clips	\$50.15
T-XW-AFC-100	10 x 1.00 oz. Teflon coated, eXtra Wide air foil clips	\$61.20

BALANCING ACCESSORIES

C D International is proud to offer a number of accessories as well as trial weights to make your balancing job easier. There are a number of items such as our Balancing Wax as well as Balancing Machine Drive Belts. For specialized tools like the Balancing Correction Weight Installation Tool, see our Balancing Accessory Tools page. If a product you need is not listed on this page, please contact us and we would be happy to source it for you.

Adhesive Backed Lead Balancing Weights for Sheaves

These adhesive weights come in strips of blocks that can be broken apart to achieve the final correction weight. Each block is stamped with its weight. Sheaves should be balanced to compensate for the sloppy run out tolerance allowed by most manufacturers. In some cases an inaccessible fan can be balanced on the sheave.



PART NUMBER	DESCRIPTION	PRICE
AW-60	One strip of 4 x 10 gram blocks interspersed with 4 x 5 gram blocks, totalling 60 grams	\$19.20
AW-84	One strip 7 gram blocks totalling 84 grams	\$19.20

AW-84T	One strip of 12 x 7 gram thin blocks totalling 84 grams. For tighter radius.	\$19.20
AW-168	One strip of 12 x 14 gram blocks totalling 168 grams.	\$19.20

Accessory Materials

PART NUMBER	DESCRIPTION	PRICE
GBRT	Glass Bead Reflective Tape – each roll 1/2" wide by 5 ft. long	\$32.50
BC	Balancing Clay – 1 pound package; excellent trial weight	\$20.00
BW	Balancing Wax – Boflex – 1pound slab; suitable for higher RPM, more adhesive than clay	\$30.00



BALANCING ACCESSORY TOOLS

C D International is proud to offer a number of specialized tools like the Balancing Correction Weight Installation Tool and Balldriver L-Wrenches for SC Clamps to make your balancing job go more smoothly. If you are looking for other accessories such as trial weight materials like Balancing Wax or Balancing Clay, please visit our Balancing Accessories page. If you don't see what you need listed on this page, please contact us and we would be happy to source it for you.

Accessory Materials

PART NUMBER	DESCRIPTION	PRICE
CC-10	Carrying Case; deluxe adjustable, two sided opening	\$59.59

Balancing Clip Installation and Removal Tools

The tool head has an embedded magnet that holds the weight in place to facilitate installation and removal and eliminates loss of the weight. An extendable handle enables access into tight areas. Aluminium construction prevents sparking in flammable areas and keeps the magnet from attaching itself to metallic objects.



PART NUMBER	DESCRIPTION	PRICE
BCIT	The handle is 12" long and comes equipped with a 12" extension if required. Overall length, with head, is 26 1/4" long.	\$90.00

Balldriver L-Wrenches for Use with Balancing SC-Clamps

These wrenches are made from Protanium to withstand high torque and wear. The full set (Part # HW-BDS) contains all eight sizes. The four sizes required to tighten all of the balancing correction C-clamps are also sold individually.



PART NUMBER	DESCRIPTION	PRICE
HW-BDS	Balldriver L-Wrench Set; all 8 sizes: .050, 1/16, 5/64, 3/32, 7/64, 1/8, 9/64, 5/32	\$15.00

MACHINERY BALANCING MANUAL

A Practical Approach to Balancing, Vibration Measurement, and Analysis

154 Pages. One of the best books written exclusively on balancing rotating machinery.

The Machinery Balancing Manual has been prepared by individuals with a combined total of over 90 years experience in dynamic balancing and vibration analysis. In addition to the practical knowledge gained over the years, they have also authored ASME and other papers, served on the ANSI Standards committees on dynamic balancing and taught many training seminars on the subject.

\$195.00

Part # MB-MAN



What's inside?
Five fully illustrated chapters covering:

1. Vibration Fundamentals
2. Balancing Fundamentals
3. Field Balancing
4. Shop Balancing
5. Balancing Tolerances

Also included:

Sample recording forms for single and two plane balancing, no phase balancing, vector paper, graphs and charts.

Some of the topics covered are:

- Balancing Tolerances compared
- API, ANSI (ISO), MIL-STD
- Allocating tolerances to planes
- Which tolerance is best for you?
- Single plane balancing
- Two plane balancing
- No phase balancing
- Static/Couple solution
- Measuring vibration
- Analyzing vibration
- Typical machine sketches
- Diagnosis of common problems
- Selecting Balancing Speed
- Overcoming thrusting, windage
- Residual unbalance check
- Key conventions for balancing
- Set up for in-place balancing
- Combining and splitting weights
- Flexible rotor balancing
- How unbalance reduces bearing life