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MAKE YOUR WHEELS GO THE DISTANCE



*GM, Ford, Chrysler, Volkswagen, Nissan, Hyundai and Kia  
Official Supplier of Tire Service Products  
One of the Biggest OEM Suppliers in China*

## PRODUCTS CATALOGUE

Wheel Balancing Weights







**Office**

Professional Designer and Manufacturer of Wheel Balancing Weights.

Over the past decade Shanghai Baolong Automotive Corporation has become and remains the biggest OEM supplier in China. We take this growth and our continued expansion in the areas of non lead weights very seriously, all while keeping a keen eye on continuously trying to improve our company and products.

**Reliable**

Thanks to significant and varied OEM relationships around the world, most specifically as official weight supplier to Ford, GM Shanghai, Chrysler China, Volkswagen Shanghai, Dongfeng Nissan, other Auto manufacturers and distributors all over the world, we are well positioned to understand and support current and future weight requirements. In part due to our own internal R&D activities, we continue to maintain a leadership role in the advancement of non lead weights.

**Responsible**

As one of the largest manufacturers in the world of weight technologies, we are shipping our products to customers located in more than 50 countries. Due to our ability and responsibility to provide the latest technology, by the most expedient methods possible with the finest quality to our global customers, these customers continue to grow our company with their continued support and cooperation.

**Consistent**

As an ISO TS16949 certified manufacturer, it is clear that quality means consistency firstly. At Baolong we understand that quality improvement is an on-going and ever changing, we are committed to quality across our company and operations from part manufacturing to our human resources and our environment.

**Competitive**

With Chinese based manufacturing, Baolong continues to actively support our advancement in technology with the latest high tech machinery and processes available. This results quality parts but with competitive cost comparing with world same level products.

**Timely**

As a result of our continuous effort to produce the latest technology weight solutions at the most competitive prices possible while all the while maintaining our outstanding quality, Shanghai Baolong continues to grow and diversify its customer base around the world. We work tirelessly to ensure this by Accurate and Timely service.



**Facility**



ISO/TS 16949:2002



ISO 14001:2004





## Patents

<i>Patent Brief Description</i>	<i>Status</i>	<i>Patent No.</i>
A kind of wheel balancing weight for easy mounting	Granted	ZL200620040301.8
A kind of tooling forming steel clips	Granted	ZL200620044541.5
A feeding fixture by steel magic	Granted	ZL200620046730.6
A kind of die casting tooling for automotive wheel balancing weights	Granted	ZL200620047253.5
A kind of wheel balancing parts and process made of steel and iron	Pending	200620045666.X
Steel wheel balancing weights	Pending	200820153631.7

## Complete Tests On Wheel Weights

<i>Inspections on materials</i>	<i>Tests on clip-on wheel weights</i>	<i>Tests on adhesive wheel weights</i>
The chemical composition of materials	Orthogonal resistance test	Adhesive force test
The physical properties of materials	Centrifugal resistance test	Salt spray test
The environmental requirements of materials	Repeated removability test	Coating thickness test
180 ° peel adhesion of the tape	Salt spray test	Coating adhesion test
Bond strength of tape	Coating thickness test	Gasoline resistance test
Dynamic shear adhesion of tape	Coating adhesion test	Cleaning solvent resistance test
	Gasoline resistance test	Durability test
	Cleaning solvent resistance test	Cold impact test
	Durability test	Mass tolerances test
	Mass tolerances test	Test on restricted substances
	Inspection on restricted substances	



Full Automatic Heat Treatment machine



Full automatic punching machine for clips



Product development and Inspection Laboratory



Tape inspection Laboratory



Casting Machine for Zinc Wheel Weights



Steel Wheel Weights punching Machine



Salt Spray Test Chamber



Mechanics Laboratory

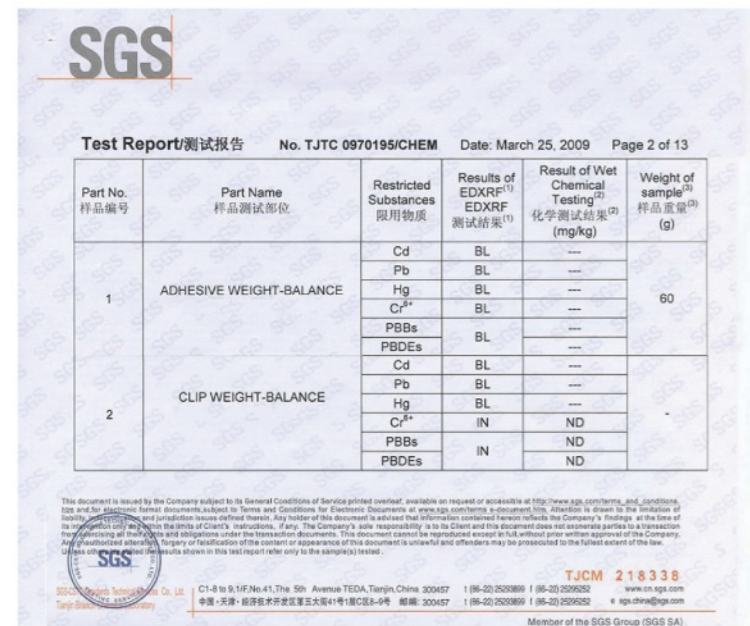


### Environmentally Friendly Materials

The high purity zinc is used in accordance with EU End of life vehicle Directive 2000/53/EC and amendment 2002/525/EC. The maximum levels of these additions for each material are:

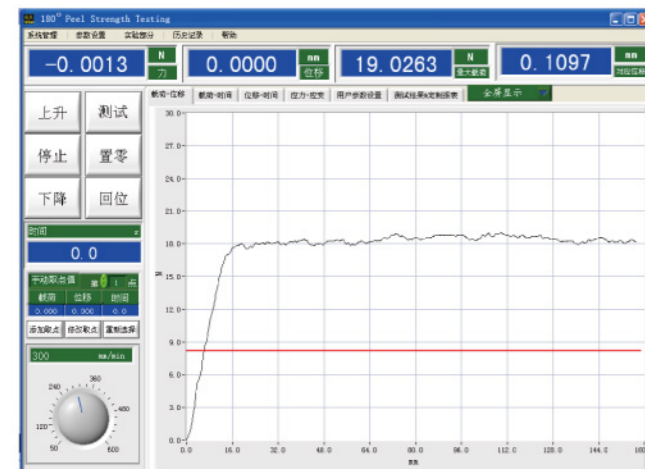
Al	Pb	Hg	Cr+6	Cd
4.3	0.08	0.08	0.08	0.008

**Note:** As for vehicle parts, the maximum concentration value up to 0,1 % by weight and per homogeneous material, for lead, hexavalent chromium and mercury and up to 0,01 % by weight per homogeneous material for cadmium shall be tolerated according to EU End of Life Vehicle Directive 2000/53/EC and amendment 2002/525/EC.



### High Performance "TOSTIK" Tape

Our "TOSTIK" tape has superior films and higher performance adhesives. This tape makes our adhesive weights be one of the most forgiving and easy to install adhesive weights on the market.



180° Peel Adhesion



Production Site

As the leading OEM supplier of the wheel balancing weight in China, we have been working with our OE customers such as Ford China, Shanghai GM, Shanghai V.W, Chrysler China, Dongfeng-Nissan and other Chinese automakers to find the best solution for the replacement of lead weights. We have succeeded in developing high quality non lead weights at the very low cost to make them pay the least for the switch from lead weights to non lead weights. Meanwhile, Our OE expertise is invested into weights for the aftermarket but the strict cost control is carried out throughout the whole process. We have the R & D capacity of developing customized weights catering to market requirements. It's our sincere desire to assist you to achieve more success by offering reliable services, consistent quality products and competitive prices.

Client	Type	Product Picture
Ford	CNC05/06	
	FE12	
	ZN232	
	ZN337	
	CNL04	
Nissan	CNC07/08	
Volkswagen	ZN491	
	ZN331	
GM	FE361	
Chrysler	CNC17	
	CNC3101	



**TYPE:ZN106P**

Standard coated wheel weight for American steel rims. They meet OEM quality specification and are compatible with "PS" series lead weights

Weight size(Oz):

0.25,0.50,0.75,1.00,1.25,1.50,1.75,2.00,2.25,2.50,2.75,3.00Oz



**TYPE:ZN106**

Except for the coating, design features and applications of uncoated weights are the same as that of coated ones. It is an economical alternative to OEM quality coated weights

**TYPE:ZN211P**

Standard coated wheel weight for American alloy rims. They meet OEM quality specification and are compatible with "MCN" series lead weights.

Weight size(Oz):

0.25,0.50,0.75,1.00,1.25,1.50,1.75,2.00,2.25,2.50,2.75,3.00Oz



**TYPE:ZN211**

Except for the coating, design features and applications of uncoated weights are the same as that of coated ones. It is an economical alternative to OEM quality coated weights

**TYPE:ZN234**

"AWN" type coated steel wheel weight for American alloy rims. The standard epoxy plastic coating is able to resist corrosion more than 240 hours in the salt spray tests, which meets OEM quality specification

Weight size(Oz):

0.25,0.50,0.75,1.00,1.25,1.50,1.75,2.00,2.25,2.50,2.75,3.00Oz



**TYPE:ZN03-2P**

Standard coated zinc weights for most steel rims. They meet OEM quality specification.

Weight size (g):

5,10,15, 20, 25, 30, 35, 40, 45, 50, 55, 60g



**TYPE:ZN03-2**

Uncoated wheel weights.

Except for the coating, design features and applications of uncoated weights are the same as that of coated ones. It is an economical alternative to OEM quality coated weights.

**TYPE:ZN05P**

Universal zinc weight for most steel rims. The cam-backed and slim design helps to ensure the bigger retention over a wider variety of steel wheels. They meet OEM quality specification.

Weight size (g):

5,10,15, 20, 25, 30, 35, 40, 45, 50, 55, 60g



**TYPE:ZN05**

Uncoated wheel weights.

Except for the coating, design features and applications of uncoated weights are the same as that of coated ones. It is an economical alternative to OEM quality coated weights.

**TYPE:ZN10**

Universal zinc coated weight for European alloy rims. They meet OEM quality specification.

Weight size (g):

5,10,15, 20, 25, 30, 35, 40, 45, 50, 55, 60g





**TYPE: ZN233**

Universal zinc coated weight for Japanese alloy rims. They meet OEM quality specification.

**Weight size (g):**

5,10,15, 20, 25, 30, 35, 40, 45, 50, 55, 60g



**TYPE:ZN491**

OEM coated weights are for Volkswagen/Audi Aluminum rims. They are applied to wheels with separate clips.

**Weight size (g):**

5,10,15, 20, 25, 30, 35, 40, 45, 50, 55, 60g

**Note:** Two-piece weights are offered without clips. Clips are separately ordered depending on which car is used on.



**“TOSTIK” Zinc Adhesive Weight**

**TYPE:3145ZN-1**

Standard profile adhesive zinc weights for alloy rims. The weight body is made of high purity zinc in a special process. So, it is very easily malleable and adjustable to the rim. The weight strip is individually separable and made up of 3 X 5g segments and 3 X 10g segments.

**Weight size (g):** 45g

**Dimension:** 15mm wide X 4.6mm high



**TYPE:3145ZN-5**

Lower profile adhesive zinc weights for alloy rims. They can be used on vehicles, where there is little space between the rim and the brake. The weight body is made of the high purity zinc in a special process. So, it is very easily malleable and adjustable to the rim. The weight strip is individually separable and made up of 3 X 5g segments and 3 X 10g segments.

**Weight size (g):** 45g

**Dimension:** 19mm wide X 3.6mm high



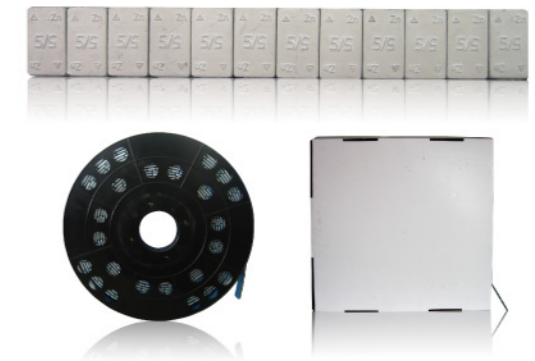
**TYPE:3160ZN**

Lower profile adhesive zinc weights for alloy rims. They can be used on vehicles, where there is little space between the rim and the brake. The adhesive body is individually separable and made up of 12 X 5g segments.

**Weight size (g):** 60g

1000 or 2000 segments on a roller can be easily cut.

**Dimension:** 20mm wide X 4.1mm high



**TYPE:ZN331**

Coated single- piece weights for alloy rims. They can be used on vehicles, where there is little space between the rim and the brake. The weight body is made of the high purity zinc in the special process. So, it is very easily malleable and adjustable to various rim radii.

**Weight size (g):**

5,10,15, 20, 25, 30, 35, 40, 45, 50, 55, 60g

**Dimension:**

5g to 10g 15mm wide X 4 mm high

15g to 60g 19mm wide X 4 mm high



**Note:** The standard adhesive weights are with “TOSTIK” Tape. “Norton” tape, “3M” tape and other tapes are available upon request.



**TYPE:FE109**

"P" type coated steel weight for most standard 13"—15" steel wheels. The standard epoxy plastic coating is able to resist corrosion more than 240 hours in the salt spray test. The optional zinc plating, dichromate finish and other coatings are available upon request.

Weight size(Oz):

0.25,0.50,0.75,1.00,1.25,1.50,1.75,2.00,2.25,2.50,2.75,3.00 Oz



**TYPE:FE217**

"MC" type coated steel wheel weight for American alloy rims. The standard epoxy plastic coating is able to resist corrosion more than 240 hours in the salt spray test. The optional zinc plating, dichromate finish and other coatings are available upon request.

Weight size(Oz):

0.25,0.50,0.75,1.00,1.25,1.50,1.75,2.00,2.25,2.50,2.75,3.00 Oz



**TYPE:FE237**

"AWN" type coated steel wheel weight for American alloy rims. The standard epoxy plastic coating is able to resist corrosion more than 240 hours in the salt spray test. The optional zinc plating, dichromate finish and other coatings are available upon request.

Weight size(Oz):

0.25,0.50,0.75,1.00,1.25,1.50,1.75,2.00,2.25,2.50,2.75,3.00 Oz



**TYPE:FE03A**

Standard coated steel weight for most steel rims. The standard epoxy plastic coating is able to resist corrosion more than 240 hours in the salt spray test. The optional zinc plating, dichromate finish and other coatings are available upon request.

Weight size (g):

5,10,15, 20, 25, 30, 35, 40, 45, 50, 55, 60g



**TYPE:FE10A**

Standard coated steel weight for most European alloy rims. The standard epoxy plastic coating is able to resist corrosion more than 240 hours in the salt spray test. The optional zinc plating, dichromate finish and other coatings are available upon request.

Weight size (g):

5,10,15, 20, 25, 30, 35, 40, 45, 50, 55, 60g



**TYPE:FE236**

"FN" type coated steel wheel weight for Japanese alloy rims. The standard epoxy plastic coating is able to resist corrosion more than 240 hours in the salt spray test. The optional zinc plating, dichromate finish and other coatings are available upon request.

Weight size (g):

5,10,15, 20, 25, 30, 35, 40, 45, 50, 55, 60g





## “TOSTIK” Steel Adhesive Weight

### TYPE:FE364

Standard profile adhesive steel weight for alloy rims. The weights have good corrosion resistances to meet most requirements.

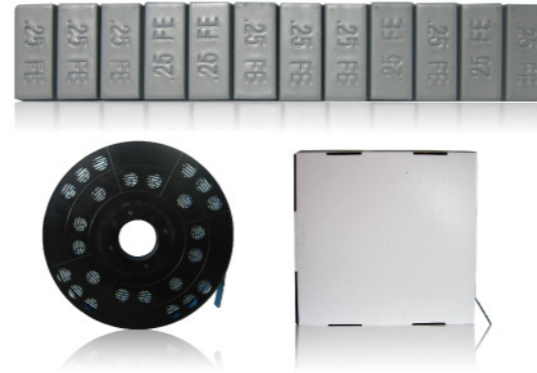
#### Weight size (Oz):

3 oz strip is made up of 12 x 0.25 ounce segments.

1024 segments on a roller can be easily cut.

#### Dimension:

22mm wide X 4.8mm high



### TYPE:FE365

Low profile adhesive steel weight for alloy rims. The weights have good corrosion resistances to meet most requirements.

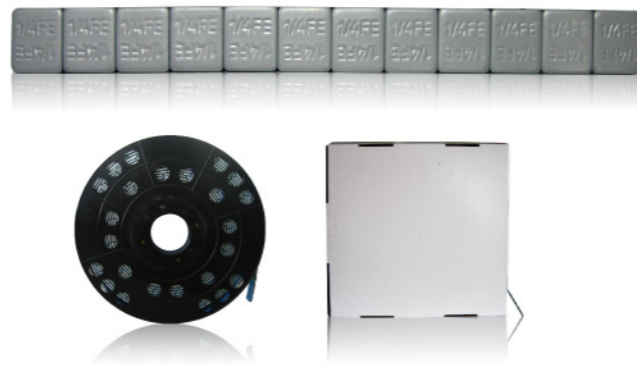
#### Weight size (Oz):

3 oz strip is made up of 12 x 0.25 ounce segments.

1024 segments on a roller can be easily cut. 16 Pounds Per Roll.

#### Dimension:

19 mm wide X 3.8mm high



### TYPE:FE366(14G X 6)

Standard profile adhesive steel weight for alloy rims and light truck rims. The weights have good corrosion resistances to meet most requirements.

#### Weight size (Oz):

3 oz strip is made up of 6 x 0.25 ounce segments.

512 segments on a roller can be easily cut. 16 Pounds Per Roll.

#### Dimension:

19mm wide X 5.8mm high



### TYPE:3205FE

Lower profile adhesive steel weights for alloy rims. The DACROMETR finish body is able to resist 500 hours in the salt spray test.

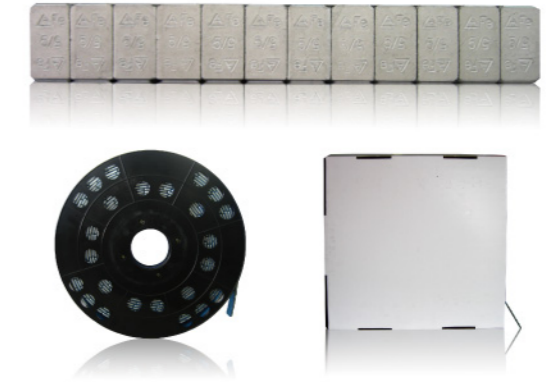
#### Weight size (g):

60g strip is made up of 12 x 5 gram segments.

1000 or 2000 segments on a roller can be easily cut.

#### Dimension:

20mm wide X 3.8mm high



### TYPE:3505FE

Lower profile adhesive steel weights for alloy rims. It is the most economical alternative to OEM adhesive weights.

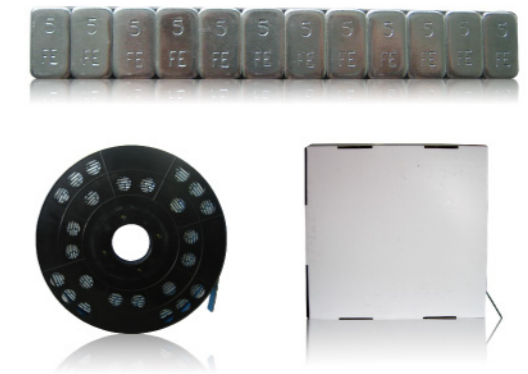
#### Weight size (g):

60g strip is made up of 12 x 5 gram segments.

1000 or 2000 segments on a roller can be easily cut.

#### Dimension:

20mm wide X 3.8mm high



### TYPE:3510FE

Lower profile adhesive steel weights for alloy rims. It is the most economical alternative to OEM adhesive weights.

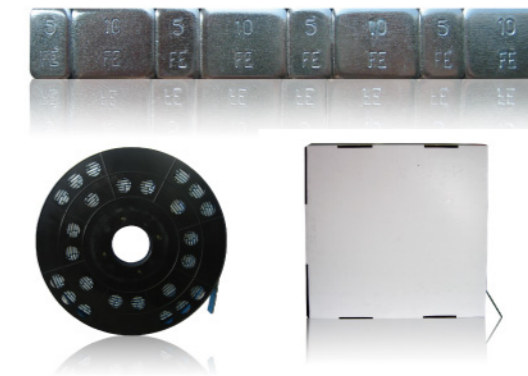
#### Weight size (g):

60g strip is made up of 4 x 5 and 4 x 10 gram segments.

300 or 600 segments on a roller can be easily cut.

#### Dimension:

20mm wide X 3.8mm high



**Note:** The standard adhesive weights are with “TOSTIK” Tape. “Norton” tape, “3M” tape and other tapes are available upon request.



**TYPE: 27-1001**

Universal uncoated weight for all steel rims that have the single radius flange, especially for American wheels. Clips are plated and batch salt-spray tested.

**Weight size (g):**

5, 7, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 85, 110g



**TYPE: 27-1002**

Universal uncoated weight for steel rims —New style. Clips are plated and batch salt-spray tested.

**Weight size (g):**

5, 7, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 85, 110g



**TYPE:BL-1011**

Standard weight for steel rims (J flange). Clips are plated and batch salt-spray tested.

**Weight size (g):**

5, 7, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 85, 110g



**TYPE: 27-2001P (“IAW” SERIES)**

Coated weight for European alloy rims with the standard rim flange. It is able to comply with demanding OEM corrosion resistance specification.

**Weight size (g):**

5, 7, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60g

**TYPE: 27-2001**

Uncoated universal weight for European alloy rims with standard rim flange

Except for the coating, design features and applications of uncoated weights are the same as that of coated ones. It is an economical alternative to OEM quality coated weights.



**TYPE: 27-2002P**

Coated standard weight for Japanese deep flange alloy rims. It is able to comply with demanding OEM corrosion resistance specification.

**Weight size (g):**

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60g

**TYPE: 27-2002**

Uncoated standard weight for Japanese deep flange alloy rims. Except for the coating, design features and applications of uncoated weights are the same as that of coated ones. It is an economical alternative to OEM quality coated weights.



**TYPE: 27-2003P**

Coated standard weight for Japanese alloy rims. It is able to comply with demanding OEM corrosion resistance specification.

**Weight size (g):**

5, 7, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60g

**TYPE: 27-2003**

Uncoated standard weight for Japanese alloy rims. Except for the coating, design features and applications of uncoated weights are the same as that of coated ones. It is an economical alternative to OEM quality coated weights.



**TYPE: PB212(“FN” SERIES)**

Coated weights for the thicker flange alloy rims used on many Japanese cars. They meet OEM quality specification.

**Weight size (g):**

5, 10, 15, 20, 25, 30, 35, 40g



**TYPE: 27-3006**

Standard profile uncoated adhesive strip weight.

**Weight size (g):**

60g strip is made up of 4 x 5 and 4 x 10 gram segments..

**Dimension:** 15.2mm wide X 4.9mm high

**TYPE: 27-3006P**

Standard profile coated adhesive strip weight.





**TYPE: 27-3007**

Low profile uncoated adhesive strip weight.

**Weight size (g):**

60g strip is made up of 4 x 5 and 4 x 10 gram segments.

Dimension: 19.2mm wide X 4mm high



**TYPE: 27-3007P**

Low profile coated adhesive strip weight.

**TYPE: 27-3008**

Uncoated adhesive strip weight.

**Weight size (g):**

60g strip is made up of 12 x 5 gram segments.

Dimension: 15.2mm wide X 4.3mm high



**TYPE: 27-3008P**

Coated adhesive strip weight.

**TYPE: PB03**

Coated single-piece weights for alloy rims and steel rims. Designed for high-performance sports cars.

**Weight size (g):**

5,10,15, 20, 25, 30, 35, 40g



**TYPE: PB04**

Coated single-piece weights for alloy rims and steel rims. Designed to fit narrower ledges where the PB03 can not fit.

**Weight size (g):**

5,10,15, 20, 25, 30, 35, 40g



**Note:** The normal adhesive weights are with "TOSTIK" Tape. "Norton" tape, "3M" tape and other tapes are available upon request.

**TYPE: 27-1011**

Uncoated wheel weight for light-duty truck rims.

**Weight size (g):**

30, 55, 85, 110, 140, 170g



**TYPE: 27-1021**

Uncoated wheel weight for heavy-duty truck rims.

**Weight size (g):**

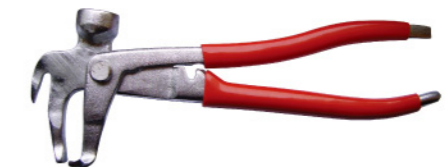
50, 55, 75, 100, 110, 150, 170, 200, 225, 250, 280, 300, 340g



**Standard Wheel Weight Tools**

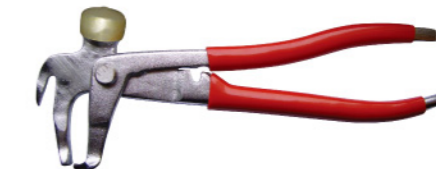
**TYPE: WT21**

Standard tools for mounting and dismounting the balance weight.



**TYPE: WT21C**

Standard tools with "Soft Head" to prevent damage to the coated weight and the wheel.



**TYPE: WT11**

Adhesive Wheel Weight Removing Tool. Beveled edge lifts old weights, pops them off and scrapes off old adhesive weights

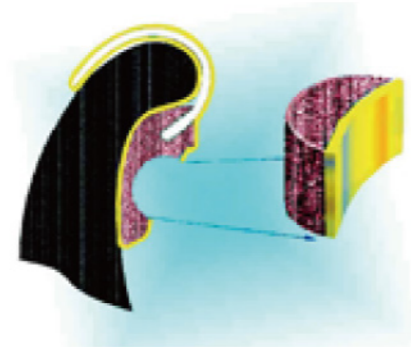




### Technical information

#### Coated wheel weights

In order to protect rims against contact corrosion and offer an optimal match to the rim color, we offer coated weights which are designed according to the OEM specification. The normal epoxy plastic coating weights are able to resist the rust more than 240 hours in the salt spray test as per the automobile industry standard. Thus, the normal coating can guarantee the protection against corrosion even under extreme environment. At the same time, we are capable of doing the zinc plated, chrome plated, dichromate finish, "Magni" coating, silver painting and other coatings upon customers' requests.



#### Packaging information

Given customers have no special requirements for the packaging, The weights are packed as per our standard packaging. Please refer to our standard packaging information as follows:

##### Clip on weight

Weight size	Box Qty
5g-40g	100 pcs/box
45g-60g	50 pcs/box
1/4 Oz- 1- 1/2 Oz	100 pcs/box
1-3/4 Oz- 3 Oz	50 pcs/box

##### Adhesive weight

Weight size	Box Qty
45 g strip weight	100 pcs/ box
60 g strip weight	100 pcs/ box
3 Oz strip weight	50 pcs/box

Maximum carton weight: 18 Kg  
 Pallet size(mm): 1090 x 1090 x H(H<1090).  
 20 pallets per 20 feet container  
 The customized packaging can be designed and made upon request



BAOLONG	PERFECT	BADA	HOFMANN	FRANKEN	TRAX	PAGE
ZN106P	PZ					1
ZN211P	MCZ					1
ZN234	AWZ					1
ZN10	IAWZ		660	62	326C	2
ZN233	FNZ		661	661	340C	3
ZN03-2P			161	80		2
ZN05P			161	80	200C	2
ZN05					200	2
ZN491			280	280		3
3145ZN-1			363-2	92		3
3145ZN-5				93		4
3160ZN			365-2			4
ZN331			361-2	91		4
FE109	PST	PFE				5
FE217	MCST	MCFE				5
FE237		ALFE				5
FE10A	IAWST	IWFE				6
FE236	FNST	FNFE				6
FE03A						6
FE364	SST300N					6
FE365		7026-FE				6
3505FE	SSG060N					8
3205FE	SSG060N				611C	8
3510FE					610C	8
BL-1011			101	5		9
27-2001			610	15		10
27-2001P	IAW		616			10
PB212	FN		617			11
27-3006			303-2	K3		11
27-3007			330-2	K13		11
27-3008			716-5	K6		12



## Application of adhesive weights

### 1.Preparatory work

Before installation, ensure that the weight, rim and ambient temperature have at least 16 °C. Clean the rims with an appropriate cleaning agent to avoid grease and silicone residues on the rim.



### 2.Adjusting the adhesive weight to the rim contour

Adjust the adhesive weight with the protective foil to the rim radius. The radius of the weight body and the rim must run at least parallel to each other. It is even better, if the radius of the weight body is smaller than the rim radius.



### 3.Removing the protective

After having adjusted the weight to the rim radius, remove the protective foil from the adhesive tape. Ensure that the adhesive weight is not touched prior to the adhesion!



### 4.Assembling the weight

Now press the weight to the rim from the middle towards the outer edges. The pressure should be at least 100kPa.



**Note:** After the assembly, 80%-90% of the final adhesive force is achieved after around 24 hours. The full adhesive force is achieved after 72 hours.

