Ningbo Fortune Auto Parts Manufacture Co., Ltd

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NINGBO FORTUNE AUTO PARTS

Fortune
Auto Parts Manufacturer

The Best Manufacturer

ISO/TS 16949

ABOUT US

Ningbo Fortune Auto Parts Manufacture Co.,Ltd

Ningbo Fortune Auto Parts Manufacture Co., Ltd. specializes in auto parts manufacturing. Founded in 1996, Fortune is now one of the leading professional manufacturers of wheel balance weights, tire valves, and tool accessories. We are located in Ningbo, which is the most important port city in Yangtze Delta, China. Fortune has also set warehouses and offices in North America in 2014, which makes a better support for our global customers.

PRODUCTION AND SERVICES

Under the principle of " To develop with technology and to survive with quality ", we built a professional team with over thirty engineers who keep innovation and quality control in mind to serve worldwide markets. We also keep on introducing new automation equipments to enlarge our production capacity and improve our technology, and now our products have been sold to OEM'S and aftermarket customers across Americas, Europe, Japan, Asia, and Oceania.

QUALITY CONTROL

We monitor each process in production. Product development and design are performed by experienced engineers and technicians. We do strict inspection on each product to reinforce excellent quality. Our packaging is also checked in-line to ensure accuracy. Before each shipment, we make sure the quantity on the order and on the delivery slip is the same.

CONTENTS

Wheel Weights

Adhesive Wheel Weights
Steel 1-5
Zinc 5
Lead 6
Roll 7
Clip-on wheel weights
Wheel Weights for North America 9-11
Lead 12
Zinc 13
Package 13-14

Tire Valves&Accessories

TPMS 15-20
Tire Valves 21-29
Valve Core 30
Valve Caps 31
Valve Extensions 32
Tire Studs 33-34

Tire Pressure Gauges

Digtal Tire Pressure Gauges 35-36
Dial Style Tire Pressure Gauges 37
Pencil-like Tire Air Gauges 38
Tire Tread Depth Gauges 38
Air Chucks 38

Lug Nuts, Bolts&Wheel Spacer, Adapters

Lug Nuts 39-42
Lug Bolts 43
Wheel Locks 44
Wheel Spacer 45
Wheel Adapter 46

Tire Repair Tools

Pistol Grip Tools 48
Valve Tools 49
Stitchers&Scrapers 50-51
Tire Repair Kits 52
Euro Style Patches 53
US Style Patches 54
Tire Repair Tools 55
Tire Mount/Demount Tool 56
Cross Wrench 57
Air Hydraulic Pumps 58
Air Tank/Vulcanizer 59

Wheel

Steel Wheels 60-64

- Zinc
- Steel
- Lead
- With FYC Icon
- With F Icon
- Trapezium Shape
- Corrosion protection
- Alloy rims
- Steel rims

WHEEL WEIGHTS

Ningbo Fortune has been manufacturing wheel weights for over 20 years. Our production development and design are performed by experienced engineer and technician teams. Production is closely monitored. Our powder coating system makes sure best appearance, thickness, and corrosive protection.

Zinc Plated | Silver Grey | Black | White | Red | Yellow | Blue

Coating Colours Available Upon Request

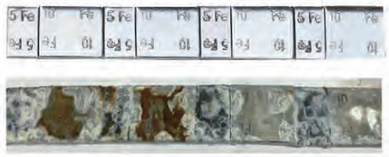
Why use steel for adhesive balance weights?

Steel is the most environment and ecological balance weight solution. Fortune has pioneered the use of steel as a material for balance weights. Steel is the natural choice as a balance weight material.

- The best environmental and ecological solution. Easy on the environment, ground water, and for recycling
- The most widely used automotive material
- A more stable price as it is not a traded commodity (unlike zinc and lead)

Why use Fortune adhesive weights?

Fortune has been manufacturing wheel weights since 1996. Our adhesive strips have a superior corrosion resistance. After lab salt spray testing of Fortune wheel weight and our competitor's weight. Fortune wheel weight, on the left, stays the same. On the contrary, the other one is already corroded.



Features

- A shift to lead-free alternatives
- Proven long-lasting coating for corrosion protection
- Available in different tape types
- Design segments allows for easier contouring to the wheel shape when installing

EasyPeel Tapes

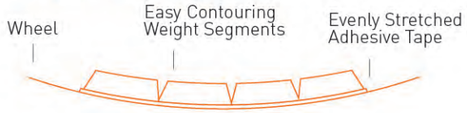
You can choose Fortune Easy Peel tapes. The tape backing is wider than the weight, making the removal process more efficient.

Diverse shapes

Fortune provides diverse shapes of adhesive wheel weights. Our popular Low Profile adhesive weights have much thinner segments than others. It helps prevent weights from scratching and wearing out, as well as easier contouring. Our Trapezium segments allow for easier contouring to the wheel shape when installing.

Low Profile Segments

Trapezium Segments



Preparatory work

Rotate the tyre and determine the wheel imbalance in both planes. Ensure that the weight, rim and ambient temperature have at least 15℃ . Clean the rims with an appropriate cleaning agent to avoid grease and silicone residues on the rim. Be sure to test the cleaning agent on a small area to ensure it will not damage the wheel's finish.

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.

Removing the protective foil

After having adjusted the weight to the rim radius, peel off the protective backing without touching the adhesive.

Assembling the weight

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

Application of Adhesive Weights

Steel Adhesive Wheel Weights (gram)

FSF01

Weight Size :	5g*4+10g*4 segments, 60g/strip
Thickness:	3mm
Surface:	Zinc plated or plastic coated
Packaging:	100 strips/box, 4 boxes/case

FSF01-1

Weight Size :	5g*4+10g*4 segments, 60g/strip
Thickness:	3mm
Surface:	Zinc plated or plastic coated
Packaging:	100 strips/box, 4 boxes/case

FSF02-1

Weight Size :	5g*12 segments,60g/strip
Thickness:	3mm
Surface:	Zinc plated or plastic coated
Packaging:	100 strips/box, 4 boxes/case

FSF01-2

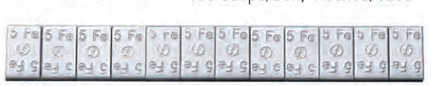
Weight Size :	5g*4+10g*4 segments, 60g/strip
Thickness:	3mm
Surface:	Zinc plated or plastic coated
Packaging:	100 strips/box,4 boxes/case

FSF02

Weight Size :	5g*12 segments, 60g/strip
Thickness:	3mm
Surface:	Zinc plated or plastic coated
Packaging:	100 strips/box, 4 boxes/case

FSF02-2

Weight Size :	5g*12 segments, 60g/strip
Thickness:	3mm
Surface:	Zinc plated or plastic coated
Packaging:	100 strips/box, 4 boxes/case



Steel Adhesive Wheel Weights (ounce)

FSF08-01

Weight Size :	1/4oz*12 segments, 3oz/strip
Thickness:	3mm
Surface:	Zinc plated or plastic coated
Packaging:	52 strips/box, 4 boxes/case

FSF08-2

Weight Size :	1/4oz*12 segments, 3oz/strip
Thickness:	3mm
Surface:	Zinc plated or plastic coated
Packaging:	52 strips/box, 4 boxes/case

FSF08

Weight Size :	1/4oz*12 segments, 3oz/strip
Thickness:	3mm
Surface:	Zinc plated or plastic coated
Packaging:	52 strips/box, 4 boxes/case

FSF07

Weight Size :	1/2oz*12 segments, 6oz/strip
Thickness:	4mm, 6mm
Surface:	Zinc plated or plastic coated
Packaging:	30 strips/box, 4 boxes/case

FSF07-1

Weight Size :	1/2oz*6segments, 3oz/strip
Thickness:	3mm
Surface:	Zinc plated or plastic coated
Packaging:	24 strips/box, 8 boxes/case

FSF07-2

Weight Size :	1/2oz*8segments,4 oz/strip
Thickness:	4mm, 6mm
Surface:	Zinc plated or plastic coated
Packaging:	24strips/box,8boxes/case

FSF09

Weight Size :	1oz*6 segments, 6oz/strip
Thickness:	6mm
Surface:	Zinc plated or plastic coated
Packaging:	32 strips/box, 4 boxes/case

Trapezium Adhesive Wheel Weights

FSF02T

Weight Size : 5g*12 segments, 60g/strip
Thickness: 3.4mm
Surface: Zinc plated or plastic coated

FSF03T

Weight Size : 1/4oz*12 segments, 3oz/strip
Thickness: 5.2mm
Surface: Zinc plated or plastic coated

FSF07T

Weight Size : 1/2oz*12 segments,3oz/strip
Thickness: 6.3mm
Surface: Zinc plated or plastic coated

FSF08T

Weight Size : 1/4oz*12 segments,3oz/strip
Thickness: 3mm
Surface: Zinc plated or plastic coated

Zinc Adhesive Wheel Weights

FSZ05

Weight Size : 5g*12 segments,60g/strip, also available in roll
Surface: plastic coated
Packaging: 100 strips/box, 4 boxes/case

FSZ06

Weight Size : 5g*4segments+10g*4segments, 60g/strip
Surface: plastic coated
Packaging: 100 strips/box, 4 boxes/case

FSZ07

Weight Size : 1/4oz*12 segments, 3oz/strip
Surface: plastic coated
Packaging: 52 strips/box, 4 boxes/case

FSZ08

Weight Size : 5g*3segments+10g*3segments, 45g/strip
Surface: plastic coated
Packaging: 100 strips/box, 4 boxes/case

Lead Adhesive Wheel Weight

FSL01

Weight Size : 5g*12 segments, 60g/strip
Surface: Natural Color or Plastic Coated
Packaging: 50 strips/box, 10 boxes/case

FSL01-1

Weight Size : 5g*12 segments, 60g/strip
Surface: Natural Color or Plastic Coated
Packaging: 100 strips/box, 4 boxes/case

FSL02

Weight Size : 5g*4+10g*4 segments, 60g/strip
Surface: Natural Color or Plastic Coated
Packaging: 50 strips/box, 10 boxes/case

FSL03

Weight Size : 1/4oz*12 segments, 3oz/strip
Surface: Natural Color or Plastic Coated
Packaging: 52 strips/box, 4boxes/case

FSL04

Weight Size : 1/2oz*12 segments, 6oz/strip
Surface: Natural Color or Plastic Coated
Packaging: 30 strips/box, 4 boxes/case

FSL05

Weight Size : 25g*4 segments, 100g/strip
Surface: Natural Color or Plastic Coated
Packaging: 30 strips/box, 4 boxes/case

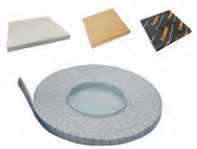
FSL06

Weight Size : 50g*4 segments, 200g/strip
Surface: Natural Color or Plastic Coated
Packaging: 30 strips/box, 4 boxes/case

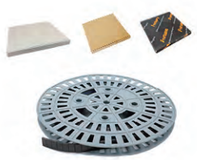
FSL07

Weight Size : 1oz*6 segments, 6oz/strip
Surface: Natural Color or Plastic Coated
Packaging: 30 strips/box, 4 boxes/case

Roll Adhesive Wheel Weights



Art No.	Description	Packaging
FSR01-1	Steel 5g	5kg or 6kg/roll
FSR01-2	Steel 1/4 oz	11lbs or 13lbs/roll
FSR01-3	Steel 1/2oz(4mm)	9lbs or 11lbs/roll
FZR01	Zinc 5g	5kg or 6kg/roll
FZR01-2	Zinc 1/4oz	11lbs/roll



Art No.	Description	Packaging
FSR02-1	Steel 5g	5kg or 6kg/roll
FSR02-2	Steel 1/4 oz	11lbs or 13lbs/roll
FSR02-3	Steel 1/2oz(4mm)	9lbs or 11lbs/roll
FZR02-1	Zinc 5g	5kg or 6kg/roll
FZR02-2	Zinc 1/4oz	11lbs/roll

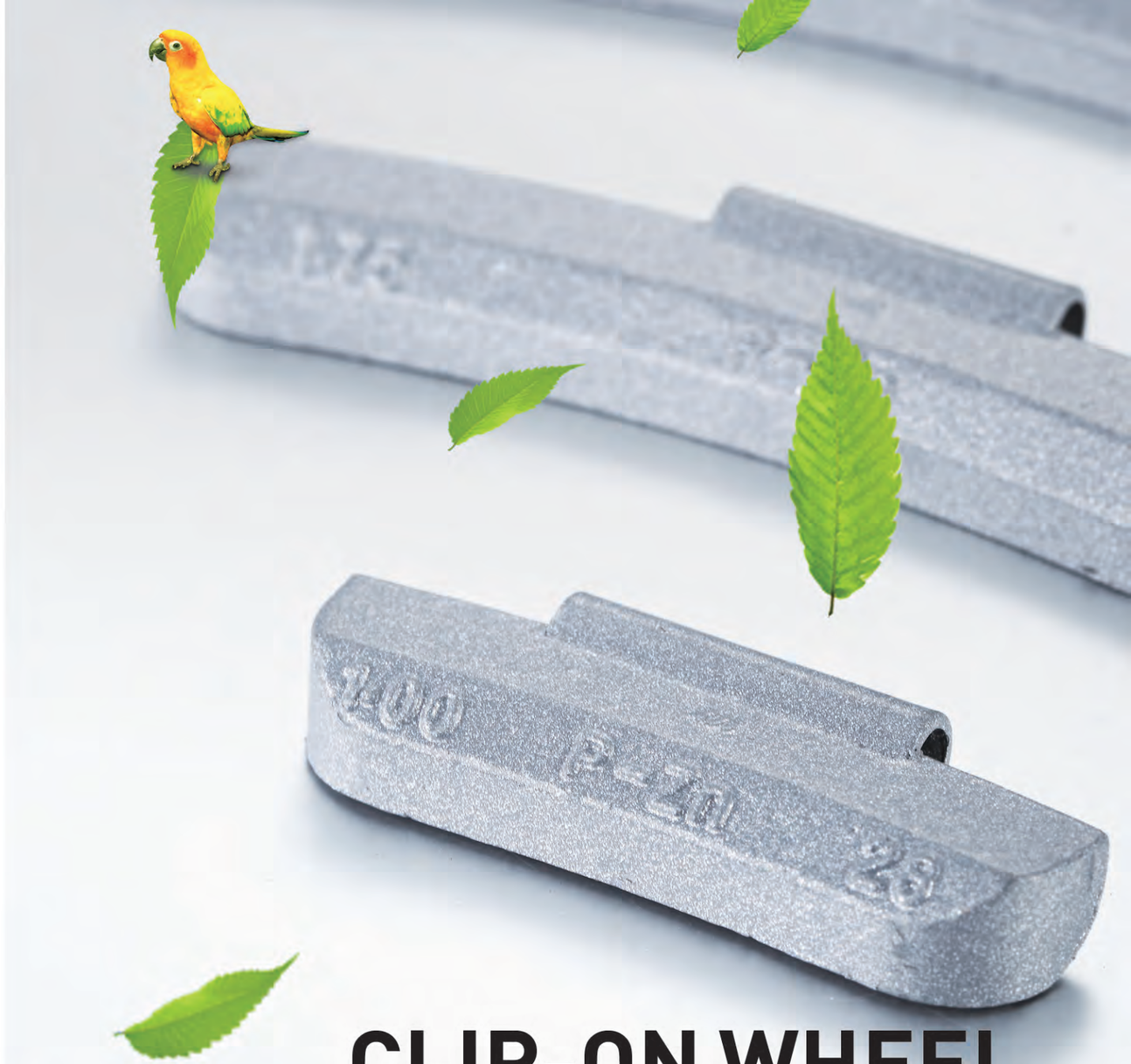
Tape Options and Feature

	US White	US Black	3M RED	Cold Weather	China Blue	Lohmann	Norton Blue
Base material color	White	Black	Grey	Black	Black	White	Black
Liner colour	White	White	Red	White	Blue,Red,White	White	Blue
Liner material	Easy release paper	Easy release paper	Plastic with 3M logo	Easy release paper	Plastic	Easy release paper	Plastic
Foam	Polyethylene	Polyethylene	Acrylic (high temperature resistant)	Acrylic	Polyethylene	Acrylic	Acrylic (high temperature resistant)
Re-positionable	No	No	yes	No	No	No	yes
Initial tack	Excellect	Excellect	Fair	Excellect	Good	Excellect	Fair
Adherence after 24h	Excellect	Excellect	Excellect	Excellect	Excellect	Excellect	Excellect
Resistance to high temperature	Good	Good	Excellect	Good	Fair	Excellect	Excellect

Installation Diagram:

Tape:
Tapes available in regular and EasyPeel style

USA White | USA Black | 3M Red | Cold Weather | China Blue | Lohmann | Norton Blue



CLIP-ON WHEEL WEIGHTS

Our lead-free alternative wheel weights are environmentally friendly for application to all rims. Plastic coated feature to OE standards for a higher level of corrosion resistance.

Application of Clip-On wheel weights

Select the correct application

Using a wheel weight application guide, select the correct application for the vehicle you are servicing. Check that the weight application is correct by testing the placement on the wheel flange.

Placing the wheel weight

Place the wheel weight in the correct location of the imbalance. Prior to striking with the hammer, make sure that the top and the bottom of the clip are touching the rim flange. The body of the weight should not be touching the rim!

Installation

Once the wheel weight is properly aligned, strike the clip with a proper wheel weight installation hammer. Please note: striking the weight body could result in clip retention failure or weight movement.

Checking the weight

After installing the weight, check to make sure that it is secured properly.

Zinc Clip-on Wheel Weights for North America

Corrosion protection Steel rims

PZN

0.25 to 3oz The most common weight for steel wheels, Will fit standard-width rim flange thickness passenger car steel wheels with 13"-17" wheel size.

FITS Standard-width rim flange thickness passenger car steel wheels with 13"-17" wheel size.

Corrosion protection Alloy rims

MCZN

0.25 to 3oz Most North American vehicles equipped with alloy rims. The MC-Series is the most sold & installed wheel weight for alloy rims.

FITS Many brands like Buick, Chevrolet, Chrysler, Dodge, Ford, Mazda, Oldsmobile, Pontiac & Saturn

Corrosion protection Alloy rims

AWZN

0.25 to 3oz North American vehicles equipped with alloy rims that were manufactured prior to 1995.

FITS Many brands like Acura, Buick, Chevrolet, Chrysler, Dodge, Infiniti, Isuzu, Lexus, Oldsmobile & Pontiac.

Corrosion protection Alloy rims

IAWZN

5 to 60g Many new Ford models, on most European vehicles and certain Asian vehicles equipped with alloy wheels.

FITS Many brands like Audi, BMW, Cadillac, Jaguar, Kia, Nissan, Toyota, Volkswagen & Volvo.

Corrosion protection Alloy rims

FNZN

5 to 60g Most Japanese vehicles equipped with alloy wheels. Application to most Japanese vehicles.

FITS Many brand like Acura, Honda, Infiniti, Lexus, Nissan & Toyota.

Corrosion protection Alloy rims

ENZN

5 to 60g Audi, Mercedes-Benz, Volkswagen and very early-model Japanese vehicles equipped with alloy wheels.

FITS Many brands like Acura, Audi, Ford, Honda, Mercedes-Benz & Volkswagen.

Corrosion protection Steel rims

TZN

0.25 to 3oz Most North American light trucks equipped with decorative and larger thickness steel wheels and most light-trucks equipped with alloy wheels.

FITS Steel Wheels with a thicker than standard rim flange and light-trucks with non-commercial alloy rims.

Corrosion protection Alloy rims

LHZN

0.25 to 3 oz Older Chrysler vehicles with alloy wheels

FITS Older Chrysler

Lead Die-casting Clip-on Wheel Weights for North America

Corrosion protection Steel rims

PPB

0.25 to 3oz The most common weight for steel wheels, Will fit standard-width rim flange thickness passenger car steel wheels with 13"-17" wheel size.

FITS Standard-width rim flange thickness passenger car steel wheels with 13"-17" wheel size.

Corrosion protection Alloy rims

MCPB

0.25 to 3oz Most North American vehicles equipped with alloy rims. The MC-Series is the most sold & installed wheel weight for alloy rims.

FITS Many brands like Buick, Chevrolet, Chrysler, Dodge, Ford, Mazda, Oldsmobile, Pontiac & Saturn.

Corrosion protection Alloy rims

AWPB

0.25 to 3oz North American vehicles equipped with alloy rims that were manufactured prior to 1995.

FITS Many brands like Acura, Buick, Chevrolet, Chrysler, Dodge, Infiniti, Isuzu, Lexus, Oldsmobile & Pontiac.

Corrosion protection Alloy rims

IAWPB

5 to 60g Many new Ford models, on most European vehicles and certain Asian vehicles equipped with alloy wheels.

FITS Many brands like Audi, BMW, Cadillac, Jaguar, Kia, Nissan, Toyota, Volkswagen & Volvo.

Corrosion protection Alloy rims

FNPB

5 to 60g Most Japanese vehicles equipped with alloy wheels. Application to most Japanese vehicles

FITS Many brand like Acura, Honda, Infiniti, Lexus, Nissan & Toyota.

Corrosion protection Alloy rims

ENPB

5 to 60g Audi, Mercedes-Benz, Volkswagen and very early-model Japanese vehicles equipped with alloy wheels.

FITS Fits Many brands like Acura, Audi, Ford, Honda, Mercedes-Benz & Volkswagen

Corrosion protection Steel rims

TPB

0.25 to 3oz Most North American light trucks equipped with decorative and larger thickness steel wheels and most light-trucks equipped with alloy wheels.

FITS Steel Wheels with a thicker than standard rim flange and light-trucks with non-commercial alloy rims

Corrosion protection Alloy rims

LHPB

1/4 to 3 oz Chrysler vehicles and is designed to fit their unique alloy rim flange.

FITS All 2009 and earlier Chrysler models and some Dodge & Ram models

Lead Clip-On Wheel Weights

Application to steel wheels

Steel Rims

Passenger Cars

Art. No.	Description	Qty/box	Art. No.	Description	Qty/box
FCL01-05	5g	100pc	FCL01-35	35g	50pc
FCL01-10	10g	100pc	FCL01-40	40g	50pc
FCL01-15	15g	100pc	FCL01-45	45g	50pc
FCL01-20	20g	100pc	FCL01-50	50g	50pc
FCL01-25	25g	100pc	FCL01-55	55g	50pc
FCL01-30	30g	100pc	FCL01-60	60g	50pc

Application to alloy wheels

Alloy Rims

Passenger Cars

Art. No.	Description	Qty/box	Art. No.	Description	Qty/box
FCL02-05	5g	100pc	FCL02-35	35g	50pc
FCL02-10	10g	100pc	FCL02-40	40g	50pc
FCL02-15	15g	100pc	FCL02-45	45g	50pc
FCL02-20	20g	100pc	FCL02-50	50g	50pc
FCL02-25	25g	100pc	FCL02-55	55g	50pc
FCL02-30	30g	100pc	FCL02-60	60g	50pc

Application to heavy truck

Heavy truck

Art. No.	Description	Qty/box	Art. No.	Description	Qty/box
FCL03-050	50g	50pc	FCL03-300	300g	10pc
FCL03-100	100g	25pc	FCL03-350	350g	10pc
FCL03-150	150g	10pc	FCL03-400	400g	10pc
FCL03-200	200g	10pc	FCL03-450	450g	10pc
FCL03-250	250g	10pc	FCL03-500	500g	10pc

Application to light truck

light truck

Art. No.	Description	Qty/box	Art. No.	Description	Qty/box
FCL04-050	50g	50pc	FCL04-200	200g	25pc
FCL04-100	100g	25pc	FCL04-250	250g	25pc
FCL04-120	120g	25pc	FCL04-300	300g	25pc
FCL04-150	150g	25pc	FCL04-350	350g	25pc

Zinc Die-casting Clip-on Wheel Weights

Application to steel wheels, plastic coated Lead-free alternative is environmentally friendly

Steel Rims

Art. No.	Description	Qty/box	Art. No.	Description	Qty/box
FCZ05-05	5g	100pc	FCZ04-35	35g	50pc
FCZ05-10	10g	100pc	FCZ04-40	40g	50pc
FCZ05-15	15g	100pc	FCZ04-45	45g	50pc
FCZ05-20	20g	100pc	FCZ04-50	50g	50pc
FCZ05-25	25g	100pc	FCZ04-55	55g	50pc
FCZ05-30	30g	100pc	FCZ04-60	60g	50pc

Application to alloy wheels, plastic coated Lead-free alternative is environmentally friendly

Alloy Rims

Art. No.	Description	Qty/box	Art. No.	Description	Qty/box
FCZ06-05	5g	100pc	FCZ06-35	35g	50pc
FCZ06-10	10g	100pc	FCZ06-40	40g	50pc
FCZ06-15	15g	100pc	FCZ06-45	45g	50pc
FCZ06-20	20g	100pc	FCZ06-50	50g	50pc
FCZ06-25	25g	100pc	FCZ06-55	55g	50pc
FCZ06-30	30g	100pc	FCZ06-60	60g	50pc

PACKAGE FOR WHEEL WEIGHTS

FP01

FP02

FP03

FP04

FP05

RACKING FOR CLIP ON WHEEL WEIGHTS

FR06

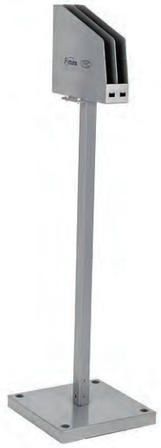
FR06-1

RACKING FOR ADHESIVE WHEEL WEIGHTS

FR01

FR08

FR02



FR03

TIRE VALVES& ACCESSORIES

Fortune manufactures high quality valves, which are International high standard EPDMs, copper and aluminum based valve series. They are ideally designed for passenger cars and commercial vehicles. Our TPMS service kits has obtained TUV and TS16949 certifications

Why choose Fortune's tire valves?

Copper Valve Comparison

- **Fortune Premium Truck Valve** uses high quality EPDM rubber and premium copper rod. We guarantee product sealability and user safety. All of our truck tire valves are produced with premium copper and CNC processing machines, which create high precision and smooth surfaces.
- Inferior Valve has obvious scratches and blemishes on its surface. Poor processing equipments cause the size of each part of valves not accurate. A inferior valve has lower copper content, smaller external dimension, larger holes on the bottom to reduce material usage. Inferior Valve uses zinc alloy main rod and inferior natural rubber. Zinc alloy valves have poor sealability and material stability. They tend to crack and age. Also, Inferior natural rubber will easily age in the air and break during installation. Therefore, user safety is not guaranteed.

Rubber Valve difference

- **Fortune Premium Valve** uses high quality EPDM rubber and premium copper rod. Therefore, we guarantee product sealability and user safety.
- Inferior Valve uses zinc alloy main rod and inferior natural rubber. Zinc alloy valves have poor sealability and material stability. They tend to crack and age. Also, Inferior natural rubber will easily age in the air and break during installation. Therefore, the safety performance is not guaranteed.

Patented press-to-release valve stem design allows for easy switching between rubber and metal valve stems.

Unique snap-in configuration

Rubber TPMS Valve & Metal TPMS Valve

A tire valve is a safety critical component and only valves from known quality sources are recommended.
Low quality valves can cause rapid tyre deflation with vehicles becoming uncontrollable and potentially crashing. It is for this reason that Fortune only sells from OE quality valves with ISO/TS16949 accreditation.

TPMS-1
Reference Part Number
schrader kit:20043
APPLICATION DATA
T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)
For VDO TG1D

TPMS-2
Reference Part Number
schrader kit:20635
dill kit:VS-65
APPLICATION DATA
T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)
For TRW Version 4 sensor

TPMS-3
Reference Part Number
schrader kit:20018
dill kit:VS-950
APPLICATION DATA
nut torque(in-lbs):11.5
nut torque(N-m):2
core torque(in-lbs):2-5
core torque(N-m):.23-.56
For Schrader Rev 4

TPMS-4
Reference Part Number
schrader kit:20046
dill kit:VS-20
APPLICATION DATA
T-10 Screw Torque: 12.5 inch lbs. (1.4 Nm)
For Schrader High Speed

TPMS-5
Reference Part Number
dill kit:VS-30

APPLICATION DATA

TPMS-6
Reference Part Number
dill kit:VS-90

APPLICATION DATA

TPMS-11

TPMS-12

TPMS-13

TPMS-14

TPMS-15

TPMS-16

TPMS-17

TPMS-18

TPMS-19

TPMS-20

TPMS-21

TPMS-22

TPMS SERVICE KITS

Component like:

- Valve cap
- Valve nut
- Rubber grommet
- And the proper valve core

F1030K

TPMS, Service Kit VW (Siemens)
REFERENCE PART NUMBERS:

SCHRADER KIT: 20017
NAPA KIT: 92-0235
DILL KIT: D1030K

APPLICATION DATA:

NUT TORQUE(in-lbs): 71
NUT TORQUE(N-m): 8
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.56

F1040K

TPMS, Service Kit Beru Valve
REFERENCE PART NUMBERS:

SCHRADER KIT: 20023
DILL KIT: D1040K

APPLICATION DATA:

NUT TORQUE(in-lbs): 35
NUT TORQUE(N-m): 4
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.56

F1050K

TPMS, Service Kit
REFERENCE PART NUMBERS:

DILL KIT: 1050K

APPLICATION DATA:

NUT TORQUE(in-lbs): 71
NUT TORQUE(N-m): 8
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m):

F1060K

TPMS, Service Kit Ford (Schrader)
REFERENCE PART NUMBERS:

SCHRADER KIT: 20002
NAPA KIT: 92-0115
DILL KIT: D1060K

APPLICATION DATA:

NUT TORQUE(in-lbs): 44
NUT TORQUE(N-m): 5
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.56

F1070K

TPMS, Service Kit
REFERENCE PART NUMBERS:

DILL KIT: 1070K

APPLICATION DATA:

NUT TORQUE(in-lbs): 62
NUT TORQUE(N-m): 7
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.56

F1090K

TPMS, Service Kit for Beru Sensors
REFERENCE PART NUMBERS:

SCHRADER KIT: 20023
NAPA KIT: 92-0261
DILL KIT: D1090K

APPLICATION DATA:

NUT TORQUE(in-lbs): 35
NUT TORQUE(N-m): 4
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-. 56

F1098K

TPMS, Service Kit Valve For Siemens Sensors
REFERENCE PART NUMBERS:

DILL KIT: D1098K

APPLICATION DATA:

NUT TORQUE(in-lbs): 35
NUT TORQUE(N-m): 4
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.56

F1100K

TPMS, Service Kit
REFERENCE PART NUMBERS:

DILL KIT: D2010K

APPLICATION DATA:

NUT TORQUE(in-lbs): 35-71
NUT TORQUE(N-m): 4-8
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.56

F2000K

TPMS, Service Kit
REFERENCE PART NUMBERS:

DILL KIT: 2000K

APPLICATION DATA:

NUT TORQUE(in-lbs): 40
NUT TORQUE(N-m): 4.5
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.56

F2010K

TPMS, Service Kit Volvo (Shrader)
REFERENCE PART NUMBERS:

SCHRADER KIT: 20009
DILL KIT: D2010K

APPLICATION DATA:

NUT TORQUE(in-lbs): 62
NUT TORQUE(N-m): 7
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.56

F2030K

TPMS, Service Kit Chrysler (Schrader)
REFERENCE PART NUMBERS:

SCHRADER KIT: 20013
NAPA KIT: 92-0225/0230/0210
DILL KIT: D2030K

APPLICATION DATA:

NUT TORQUE(in-lbs): 35-71
NUT TORQUE(N-m): 4-8
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.56

F2040K

TPMS, Service Kit
REFERENCE PART NUMBERS:

DILL KIT: 2040K

APPLICATION DATA:

NUT TORQUE(in-lbs): 35
NUT TORQUE(N-m): 4
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.56

F2045K

TPMS, Service Kit
REFERENCE PART NUMBERS:

DILL KIT: 2045K

APPLICATION DATA:

NUT TORQUE(in-lbs): 35
NUT TORQUE(N-m): 4
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.56

F7000K

TPMS, Service Kit
REFERENCE PART NUMBERS:

DILL KIT: 7000K

APPLICATION DATA:

NUT TORQUE(in-lbs): 71
NUT TORQUE(N-m): 8
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.53

F7020K

TPMS, Service Kit
REFERENCE PART NUMBERS:

DILL KIT: 7020K

APPLICATION DATA:

NUT TORQUE(in-lbs): 71
NUT TORQUE(N-m): 8
CORE TORQUE(in-lbs): 2-5
CORE TORQUE(N-m): .23-.53

Passenger Car & Light Truck Snap-In Tubeless Valve

Always make sure that you use a functional valve cap with a built-in sealing ring suitable for your tire-only this can keep away dirt, water and salt corrosin from causing a loss of tire pressure.

*TR413 Series

Max cold inflating pressure 450kpa/65psi at room temperature

TR412 TR413 TR414 TR415 TR418 TR423 TR425 TR438

NRNO.	Rim Hole	Eff.length (mm)	Parts		A	B	C
			core	cap			
TR412	Φ11.5/.453"	22	9002#	VC8	33	22	15
TR413	Φ11.5/.453"	30	9002#	VC8	42.5	32	15
TR414	Φ11.5/.453"	38	9002#	VC8	48.5	38	15
TR414L	Φ11.5/.453"	45	9002#	VC8	56.5	46	15
TR418	Φ11.5/.453"	49	9002#	VC8	61.5	51	15
TR423	Φ11.5/.453"	62	9002#	VC8	74	63.5	15
TR415	Φ16/.626"	30	9002#	VC8	42.5	32	19.2
TR425	Φ16/.626"	49	9002#	VC8	61.5	51	19.2
TR438	Φ8.8/.346"	32	9002#	VC8	40.5	31	11

Colors Available For Aluminum Valves

*TR413 Series Decorate-Sleeve & Cap Valves

TR412C TR413C TR415C TR414C TR418C TR412AC TR413AC TR414AC TR418AC

TR412AC-Y TR413AC-R TR414AC-B

Passenger Car & Light Truck Snap-In Tubeless Valves

*Tubeless Metal Clamp-in Valve

MS525AL-B(Brass)

MS525AL(Brass)

MS525AL(Aluminum)

MS525AL(Aluminum)

For11.5(.453"dia)Rim Holes

TRNO.	Eff. length (mm)	Parts			
		Grommet	Washer	Nut	Cap
MS525S	Φ17.5x41.5	RG9,RG54	RW15	HN6	FT
MS525L	Φ17.5x41.5	RG9,RG54	RW15	HN7	FT
MS525AL	Φ17x42	RG9,RG54	RW15	HN9	FT

TR542

TR416

TR416L

TR416SS

TRNO.	Eff. length (mm)	Rim Hole (mm/in.)	Parts			
			Grommet	Washer	Nut	Cap
V2.04.1	Φ17.5x35	Φ11.5/.453"	V9.11.7		V9.7.1FT	FT
TR416	Φ18.5x40	Φ16/.625"	RG39	RW13	HN4	FT
TR416B	Φ17x38/34	Φ16/.625"	RG54	RW8	HN4	FT
TR416S	Φ17x40	Φ11.5/.453"	RG54	RW8	HN4	FT
TR416L	Φ16.7x59	Φ11.5/.453"	RG59	RW8	HN4	FT
TR416SS	Φ14x38	Φ11.5/.453"	V801	RW8	RW8	FT
TR416SSS	Φ14x39	Φ8.3/.327"	RG11	RW6	RW8	FT

Passenger Car & Light Truck

*Tubeless Metal Clamp-in Valve

*Tubeless Metal Clamp-in Valve

TRNO.	Eff. length (mm)	Rim Hole (mm/in.)	Parts			
			Grommet	Washer	Nut	Cap
TR5991B	Φ19x34	Φ11.5/.453"	HRG39	RW8	HN4	AT
TR-33E	Φ14x33	Φ11.5/.453"	HRG2x2	RW5	HN2x2	ET/BT
TR-43E	Φ14x43	Φ11.5/.453"	HRG2x2	RW5	HN2x2	ET/BT
TR-48E	Φ14x48	Φ11.5/.453"	HRG2x2	RW5	HN2x2	ET/BT
V-6	Φ14x53	Φ11.5/.453"	HRG2x2	RW5	HN2x2	ET/BT
VS-6	Φ11x40	Φ6/.236"	RG54	RW8	HN4	ET/BT
V-7	Φ14x63	Φ11.5/.453"	HRG2x2	RW5	HN2x2	ET/BT
V-8	Φ16x34	Φ11.5/.453"	HRG1,HG2	RW12	HN2x2	ET/BT
VS-8	Φ16x38	Φ11.5/.453"	HRG1,HG2	RW12	HN2x2	ET/BT
V-9	Φ16x43	Φ11.5/.453"	HRG1,HG2	RW12	HN2x2	ET/BT
VS-8-45	Φ16x53-45°	Φ11.5/.453"	HRG1,HG2	RW12	HN2x2	ET/BT
VS-8-90	Φ16x63-90°	Φ11.5/.453"	HRG1,HG2	RW12	HN2x2	ET/BT
TR6008C	Φ17.5x34	Φ16/.625"	RG39	RW8	HN4x2	DT
PVR152	Φ17x70-90°	Φ11.5/.453"	RG54	RW8	HN4	ET/BT
PVR153	Φ16x65-90°	Φ11.5/.453"	RG54	RW8	HN4	ET/BT
TR435	Φ19x34	Φ11.5/.453"	RG54	RW8	HN4	ET/BT

Tubeless Metal Clamp-In Valve

*TR500C Series Bent Valves

*TR500 Series Straight Valves

For Ø16/.625"Rim Holes

TRNO.	ETRTO NO. (REF.NO.)	Eff.Length (mm)	Parts				
			Core	Grommet	Washer	Nut	Cap
TR500	V3.21.3	Φ19x55	9002#	RG15	RW8	HN13	VC2/VC3
TR501	V3.21.2	Φ19x42	9002#	RG15	RW8	HN13	VC2/VC3
TR502	64MS15.7	Φ19x64	9002#	RG15	RW8	HN13	VC2/VC3
TR570	V3.21.4	Φ19x84	9002#	RG15	RW8	HN13	VC2/VC3
TR571	V3.21.5	Φ19x90	9002#	RG15	RW8	HN13	VC2/VC3
TR572	V3.21.6	Φ19x100	9002#	RG15	RW8	HN13	VC2/VC3
TR573	V3.21.7	Φ19x115	9002#	RG15	RW8	HN13	VC2/VC3
TR574	V3.21.8	Φ19x131	9002#	RG15	RW8	HN13	VC2/VC3
TR575	V3.21.1	Φ19x33	9002#	RG15	RW8	HN13	VC2/VC3
TR570C	V3.21.9	Φ19x84/90°or27°	9002#	RG15	RW8	HN13	VC2/VC3
TR571C	V3.21.10	Φ19x90/90°or27°	9002#	RG15	RW8	HN13	VC2/VC3
TR572C	V3.21.11	Φ19x100/90°or27°	9002#	RG15	RW8	HN13	VC2/VC3
TR573C	V3.21.12	Φ19x115/90°or27°	9002#	RG15	RW8	HN13	VC2/VC3
TR574C		Φ19x131/90°or27°	9002#	RG15	RW8	HN13	VC2/VC3
TR500-23	VS-1223R	Φ19x55/23°	9002#	RG15	RW8	HN13	VC2/VC3
TR570P		Φ22x18	9002#	RG7	RW11	HN11	VC2/VC3

Tubeless Nickel Plated O-Ring Seal Clamp-In Valves

*TR540 Series Valves

*Rim hole.382".394"(9.7-10mm)

TRNO.	Parts				A	B	β
	Core	Grommet	Nut	Cap			
TR542	9002#	RG60	HN21	VC2/VC3	32		
TR543	9002#	RG60	HN21	VC2/VC3	59		
TR544	9002#	RG60	HN21	VC2/VC3	73		
TR545	9002#	RG60	HN21	VC2/VC3	90		
TR546	9002#	RG60	HN21	VC2/VC3	108		
TR543C	9002#	RG60	HN21	VC2/VC3	24	35	45
TR543D	9002#	RG60	HN21	VC2/VC3	25	35	60
TR543E	9002#	RG60	HN21	VC2/VC3	25	35	75
TR544D	9002#	RG60	HN21	VC2/VC3	25	49	60
TR544E	9002#	RG60	HN21	VC2/VC3	25	49	75
TR545B	9002#	RG60	HN21	VC2/VC3	35	55.8	26
TR545-36	9002#	RG60	HN21	VC2/VC3	25	66	36
TR545D	9002#	RG60	HN21	VC2/VC3	25	66	60
TR545E	9002#	RG60	HN21	VC2/VC3	25	66	75
TR546B	9002#	RG60	HN21	VC2/VC3	25	85	26
TR546-36	9002#	RG60	HN21	VC2/VC3	25	85	36
TR546D	9002#	RG60	HN21	VC2/VC3	25	85	60
TR546E	9002#	RG60	HN21	VC2/VC3	25	85	75
TR547D					25	96	60

TRNO.	ETRTO NO.	Eff.Length (mm)	Parts			
			Core	Grommet	Nut	Cap
TR509	8713	Φ23x138.5/90°	9002#	RG46	HN17	VC2/VC3
TR510	8717	Φ23x157.5/90°	9002#	RG46	HN17	VC2/VC3
TR511	8711	Φ23x126/90°	9002#	RG46	HN17	VC2/VC3
	V3-20-1	Φ16x41	9002#	RG60	V9.07.2	VC2/VC3
	V3-20-2	Φ16x95/17.50	9002#	RG60	V9.07.2	VC2/VC3
	V3-20-3	Φ16x82	9002#	RG60	V9.07.2	VC2/VC3
	V3-20-4	Φ16x90/27°	9002#	RG60	V9.07.2	VC2/VC3
	V3-20-5	Φ16x70/27°	9002#	RG60	V9.07.2	VC2/VC3
	V3-20-6	Φ16x115/27°	9002#	RG60	V9.07.2	VC2/VC3
	V3-20-7	Φ16x80/27°	9002#	RG60	V9.07.2	VC2/VC3
	V3-20-8	Φ16x119/12°	9002#	RG60	V9.07.2	VC2/VC3
	V3-20-9	Φ16x102/12°	9002#	RG60	V9.07.2	VC2/VC3
	V3-20-10	Φ16x80/28°	9002#	RG60	V9.07.2	VC2/VC3
	V3-20-11	Φ16x100/42°	9002#	RG60	V9.07.2	VC2/VC3
	V3-20-12	Φ16x100/27°	9002#	RG60	V9.07.2	VC2/VC3

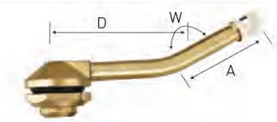
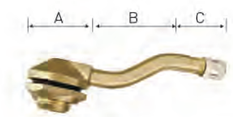
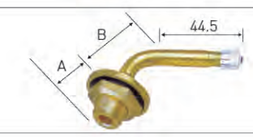
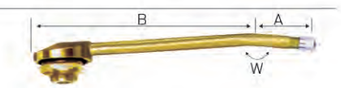
*Rim Hole .625"

*European Style O-ring Seal Clamp-in Brass Valves

*V3.20 Series Metric Rim Hole Valves

Tubeless Metal Clamp-In Valves

*For ¢15.7(.625")Rim Hole

ETRO NO.	Eff. length			Parts				
				Core	Grommet	Nut	Cap	
V3-12-1	Φ26x21.5x40			9002#	9.11.4	V9.13.1	FT	
V3-12-2	Φ26x21.5x94			9002#	9.11.4	V9.13.1	FT	
V3-13-1	D:46.5	A:42.5	W: 153°	9002#	9.11.4	V9.13.1	FT	
V3-13-2	D:30	A:29	W:126°	9002#	9.11.4	V9.13.1	FT	
V3-14-1	A:26	B:21.5	C:24.5	9002#	9.11.4	V9.13.1	FT	
V3-14-2	A:45	B:21.5	C:24.5	9002#	9.11.4	V9.13.1	FT	
V3-14-3	A:37	B:21.5	C:24.5	9002#	9.11.4	V9.13.1	FT	
V3-15-1	C:14	B:22.5	W:110°	9002#	9.11.2	V9.13.1	FT	
V3-15-2	C:11	B:15.5	W:95°	9002#	9.11.2	V9.13.1	FT	
V3-16-1	A:36	B:29	W:150°	9002#	9.11.4	V9.13.1	FT	
V3-17-1	B:3.15	A:99	W:172°	9002#	9.11.2	V9.13.1	FT	
V3-17-2	B:3.15	A:116	W:172°	9002#	9.11.2	V9.13.1	FT	
V3-18-1	B:64	D:24.5	E:14.5	W:146°	9002#	9.11.2	V9.13.1	FT
V3-18-2	B:81	D:24.5	E:14.5	W:146°	9002#	9.11.2	V9.13.1	FT
V3-18-4	B:51	D:37.5	E:19.5	W:138°	9002#	9.11.2	V9.13.1	FT
V3-18-5	B:68	D:37.5	E:19.5	W:138°	9002#	9.11.2	V9.13.1	FT
V3-19-1	B:92	D:14.5	E:145	W:147°	9002#	9.11.2	V9.13.1	FT
V3-19-2	B:76	D:15	E:152	W:145°	9002#	9.11.2	V9.13.1	FT
V3-19-4	B:91	D:10	E:162	W:155°	9002#	9.11.2	V9.13.1	FT

Motorcycles Tubeless Valves

PVR30

PVR32

PVR70

Metal
Rim holes(mm/in): Φ11.5

Metal
Rim holes(mm/in): Φ11.5

TRNO.	Ref Length (mm)	Rim holes (mm/in)	Parts			
			Rubber Grommet	Washer	Nut	Cap
PVR70	Φ20x30x90°	Φ11.5/.453"				VC8-E
PVR71L	Φ20x45x90°	Φ11.5/.453"				VC8-E
PVR32	Φ15x54x90°	Φ11.5/.453"			SNM5	VC8-E
PVR79L	Φ15x72x90°	Φ11.5/.453"	HRG4 HG4		SNM5	VC8-E
PVR30	Φ15x63x90°	Φ11.5/.453"	HRG2 HG2		NH2	VC8-E

Light Truck Tubeless Valves

TRNO.	A	B	θ	RIM HOLE
TR-618A	32			15.9
TR-621A	39	55.5	65	15.9
TR-622A	44.5	95	90	15.9
TR-623A	39	37	65	15.9

TR-618A

TR-621A

TR650-03

Truck & Bus Screw-On Repair Valve

TRNO.	Stem No.	ETRTO No.	Eff. length (mm)	A	B	C	W	β	Parts	
									Core	Cap
JS-75				89.5	24	70	82			
TR-75A				95	24	76	86			
TR-76A				105	24	86	86			
TR-77A				125	24	105	86			
TR-78A				146	24	127	86			
TR-175A				134	24	115	86			
TR-177A				114	24	94	86			
TR-779A				160	24	114	86			
TRJ650-03	TRJ650-02	V5.04.1		27	80			80		
TRJ651-03	TRJ651-02	V5.04.2		32	119			90		
TRJ652-03	TRJ652-02			27	140			86		
TRJ653-03	TRJ653-02			27	64			80		
TRJ654-03	TRJ654-02			27	80			60		
TRJ655-03	TRJ655-02			27	80			74		
TRJ656-03	TRJ656-02			64	94			90		
TRJ657-03	TRJ657-02			27	102			80		
TRJ658-03	TRJ658-02			27	140			80		
TRJ659-03	TRJ659-02			48	89			90		
TRJ660-03	TRJ660-02			48	222			90		
TRJ669-03	TRJ669-02			27	64			90		

*Rubber Based Tube Valves For Truck And Bus

*TRJ650 Series Large Bore Tubeless Valves-Swivel Type

TR600HP	30	For Φ11.5(.453" dia) Rim Holes	9002#	VC8	
TR602HP	49		9002#	VC8	
TR801HP	31	For Φ16(.625" dia) Rim Holes	9002#	VC8	
TR802HP	49		9002#	VC8	

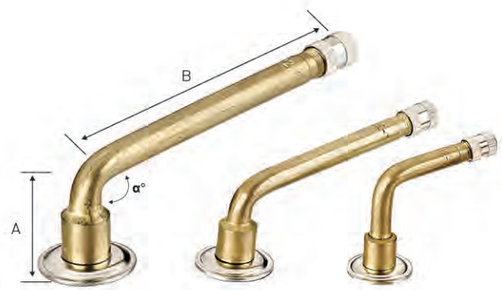
*TR600 Series High Pressure Snap-in Valves

Max Cold Inflating Pressure 720kpa/100psi at room temperature

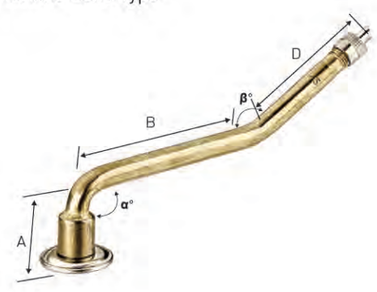
TR600HP TR801HP TR602HP TR802HP

TRNO.	A	B	C	D	α	β
V3.02.2	22.5	43			120	
V3.02.3	33	44.5			95	
V3.02.5	20.5	47.5			90	
V3.02.7	22.5	71.5			100	
V3.02.8	20.5	89.5			94	
V3.02.9	20.5	99.5			94	
V3.02.10	20.5	115			94	
V3.02.11	20	126			98	
V3.02.12	20.5	132			94	
V3.02.13	20.5	133.5			90	
V3.02.14	20.5	138.5			94	
V3.02.15	20.5	145.5			94	
V3.02.16	20.5	149.5			90	
V3.02.17	20.5	156.5			90	
V3.02.18	22.5	74.5			90	
V3.02.19	20.5	60			94	
V3.02.23	29.5	66.5			90	
V3.02.24	20.5	117			90	
V3.02.27	20	75			94	
V3.04.1	20.5	32	37		90	130
V3.04.2	20.5	38	41.5		90	153
V3.04.3	20	59	38.5		94	163
V3.04.4	20	74	40		94	144
V3.04.5	20	76	47.5		90	153
V3.04.6	20	86	47.5		90	153
V3.04.10	20.5	47	53		90	154
V3.04.11	20.5	47	63.5		90	154
V3.04.17	20	65	45		90	160
V3.04.24	20	58	47		94	164
V3.04.26	20	99	47		94	189
V3.06.1	20.5	30.5	19.5	35.5	90	139
V3.06.2	20.5	44.5	12	37.5	90	125
V3.06.3	20.5	46.5	20.5	47.5	90	140
V3.06.5	20.5	62.5	19.5	49	90	139
V3.06.6	20	79.5	19.5	37.5	90	139
V3.06.7	20.5	45.5	18.5	42.5	90	137
V3.06.8	24.5	61.5	14.5	50.5	94	153
V3.06.9	20.5	67.5	19.5	54.5	90	139
V3.06.12	23.5	71.5	19.5	25.5	90	150
V3.06.14	20	50	13	40	94	153
V3.06.15	20	60	13	40	94	153
V3.06.16	20	62	13	50	94	153
V3.06.17	20	75	13	50	94	153
V3.03.18	20.5	94	43	47	90	159

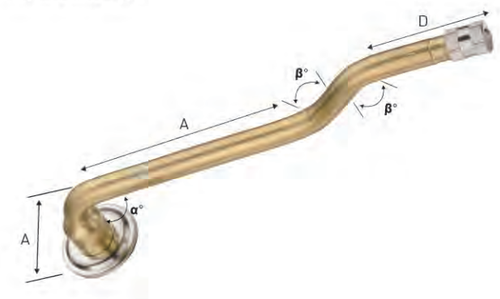
*Single Bend Type



*Double Bend Type



*Triple Bend Type



Standard Bore Valve Core

TYNO.	Feature	Barrel Gasket Color	Working Pressure Range Kgf/cm²(lbf/in²)	Working Temperature Range
9001	Standard Type	Black	0~15(0~212)	-40~+100°C
9003	Standard Type	Black	0~15(0~212)	(-40~+212°C)
9002	High/low Temperature Resistant	Red	0~15(0~212)	-54~+150°C
9004	High/low Temperature Resistant	Red	0~15(0~212)	(-65~+302°C)
9005	Freon Resistant	White	0~35(0~496)	-20~+100°C (-4~+212°C)
9006	Freon Resistant	Green	0~35(0~496)	-20~+100°C (-4~+212°C)
9007	Low Opening Pressure	Yellow	0~15(0~212)	-40~+100°C(-40~+212°C)
9008	Gas Resistant	White	0~15(0~212)	
8001	Standard Type	Black	0~15(0~212)	-40~+100°C
8003	Standard Type	Black	0~15(0~212)	(-40~+212°C)
8002	High/low Temperature Resistant	Black	0~15(0~212)	-54~+150°C
8004	High/low Temperature Resistant	Black	0~15(0~212)	(-65~+302°C)
8005	Filter Type	Red/ white	0~15(0~212)	-54~+150°C (-65~+302°C)
7001	Standard Type	Black	0~15(0~212)	-40~+100°C
7003	Standard Type	Black	0~15(0~212)	(-40~+212°C)
7002	High/low Temperature Resistant	Red	0~15(0~212)	-54~+150°C
7004	High/low Temperature Resistant	Red	0~15(0~212)	(-65~+302°C)
6001	Standard Type	Black	0~15(0~212)	-40~+100°C
6003	Standard Type	Black	0~15(0~212)	(-40~+212°C)
6002	High/low Temperature Resistant	Red	0~15(0~212)	-54~+150°C
6004	High/low Temperature Resistant	Red	0~15(0~212)	(-65~+302°C)

9001 9002 9003 9004

9005 9006 9007 9008

8001 8002 8003 8004

7001 7002 7003 7004

6001 6002 6003 6004

Valve Caps

Product diversification:
color, appearance
and Packaging can be customized.

Any Color is Possible For
Tire Valve Caps

Brass & Aluminum

VC-T1 VC-T2 VC-T3

Brass, Plastic & Aluminum

VC-2 VC-4 VC-6

Plastic

VC-P1 VC-P2 VC-P3

Brass

VC-C1 VC-C2 VC-C3 VC-C4 VC-C5

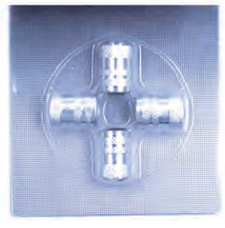
Aluminum

VC-A1 VC-A2 VC-A3 VC-A4 VC-A5 VC-A6 VC-A7 VC-A8

VC-A9 VC-A12 VC-A13 VC-A15 VC-A16 VC-A17 VC-A18 VC-A19

Blister Package

Customized Package are acceptable



Passenger Car Extension Caps

FTNO.	Eff. Length	Total Length
EX13M	13	21
EX19M	19	26
EX32M	32	41
EX13P	13	21
EX19P	19	26
EX32P	32	41

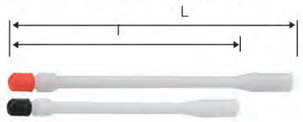
*Metal Extension Caps

*Plastic Extension Caps

Valve Extensions

*Truck & Bus Metal Extensions

*Truck & Bus Plastic Extensions



*Stainless Steel Braided Extensions

*Rubber Extensions

FTNO.	Eff. Length	Total Length
EX40M	30	40
EX60M	50	60
EX84M	74	84
EX115M	105	115
EX125M	115	125
EX142M	132	142
EX51P	33.5	51
EX71P	53.5	71
EX95P	77.5	95
EX115P	97.5	115
EX125P	107.5	125
EX150P	132.5	150
EX170P	152.5	170
EX180P	162.5	180
EX200P	182.5	200
EX64RM	Extensions	85
EX125RM	Extensions	125
EX180RM	Extensions	180
EX250RM	Extensions	250
EXMU	With U-shape Clip	210
EXFM	With U-shape Clip	250
EX75R	Extensions	75
EX100R	Extensions	100
EX125R	Extensions	125
EX150R	Extensions	150
EX180R	Extensions	180
EX210R	Extensions	210
EX250R	Extensions	250
EX270R	Extensions	270
EX300R	Extensions	300
EX210R-FVE1	Extensions	210
5624292	Extensions	90°
		67°
		45°

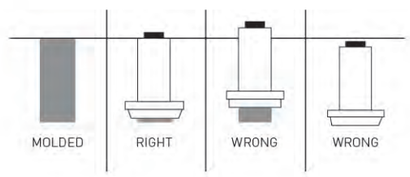
Tire Studs

Because studdable tires are manufactured with different tread depths, studs are manufactured in different lengths that must be matched to the depth of the holes molded in the tire (see illustration below). Stud sizes are identified by their Tire Stud Manufacture Index (FTS) number or the stud's overall length in millimeters (mm).

Density(g/ cm³):12.5
TRS(N/ MM²):1800
Hardness(HRA):90.1
Porosity(ISO)A02B02
Free carbon and graphite phase:C02

STUD INSERTION

As studded tires are driven through winter, the studs are designed to wear at a rate similar to the tread rubber with the tungsten carbide pins wearing a little slower than the metal housings around them.
This retains the stud's effectiveness to continue to chip into the ice as the tire wears. However, as with all tires, once studded tires wear down to approximately 5/32" of remaining tread depth, they will lose effectiveness in deep snow and a new set of tires should be installed if deep snow driving is still anticipated.



FTS8 Series

FTS-A

Length:	10(MM)
Head Diameter:	8(MM)
Shaft Diameter:	5.3(MM)
Pin Length:	5.2(MM)
Weight:	1.7(Grams)
Colour:	Silver
Surface:	Zinc Coated

FTS-B

Length:	11(MM)
Head Diameter:	8(MM)
Shaft Diameter:	5.3(MM)
Pin Length:	5.2(MM)
Weight:	1.8(Grams)
Colour:	Silver
Surface:	Zinc Coated

FTS8-C Series

FTS-C

Length:	10(MM)
Head Diameter:	8(MM)
Shaft Diameter:	6.5(MM)
Pin Length:	5.2(MM)
Weight:	1.8(Grams)
Colour:	Silver
Surface:	Zinc Coated

FTS-D

Length:	11(MM)
Head Diameter:	8(MM)
Shaft Diameter:	5.3(MM)
Pin Length:	5.2(MM)
Weight:	1.9(Grams)
Colour:	Silver
Surface:	Zinc Coated

FTS8.8 Series

FTS11

Length:	10(MM)
Head Diameter:	8.8(MM)
Shaft Diameter:	4.8(MM)
Pin Length:	5.2(MM)
Weight:	2.02(Grams)
Colour:	Silver
Surface:	Zinc Coated

FTS12

Length:	11(MM)
Head Diameter:	8.8(MM)
Shaft Diameter:	4.8(MM)
Pin Length:	5.2(MM)
Weight:	2.02(Grams)
Colour:	Silver
Surface:	Zinc Coated

FTS13

Length:	12(MM)
Head Diameter:	8.8(MM)
Shaft Diameter:	4.8(MM)
Pin Length:	5.2(MM)
Weight:	2.03(Grams)
Colour:	Gold
Surface:	Zinc Coated

FTS15

Length:	13(MM)
Head Diameter:	8.8(MM)
Shaft Diameter:	4.8(MM)
Pin Length:	5.2(MM)
Weight:	2.19(Grams)
Colour:	Blue
Surface:	Zinc Coated

FTS16

Length:	15(MM)
Head Diameter:	8.8(MM)
Shaft Diameter:	4.8(MM)
Pin Length:	5.2(MM)
Weight:	2.44(Grams)
Colour:	Blue
Surface:	Zinc Coated

FTS17

Length:	16(MM)
Head Diameter:	8.8(MM)
Shaft Diameter:	4.8(MM)
Pin Length:	5.2(MM)
Weight:	2.58(Grams)
Colour:	Gold
Surface:	Zinc Coated

FTA Series

FTA08

Length:	10(MM)
Head Diameter:	8(MM)
Shaft Diameter:	5.3(MM)
Pin Length:	1.2(MM)
Weight:	0.78(Grams)
Colour:	Silver white
Material:	Aluminum

FTA10

Length:	10(MM)
Head Diameter:	8(MM)
Shaft Diameter:	6.4(MM)
Pin Length:	1.2(MM)
Weight:	0.85(Grams)
Colour:	Silver white
Material:	Aluminum

FTA09

Length:	11(MM)
Head Diameter:	8(MM)
Shaft Diameter:	5.3(MM)
Pin Length:	1.2(MM)
Weight:	0.82(Grams)
Colour:	Silver white
Material:	Aluminum

FTA11

Length:	11(MM)
Head Diameter:	8(MM)
Shaft Diameter:	6.4(MM)
Pin Length:	1.2(MM)
Weight:	0.9(Grams)
Colour:	Silver white
Material:	Aluminum

TIRE PRESSURE GAUGES

Tire Pressure Gauges

Digital Tire Pressure Gauges

* Digital tire pressure gauges can be customized in any styles

TPG03

TPG03

Pressure range:	3-100psi,0.20-6.90bar,20-700kpa,0.2-7.05kgf/cm²
PressureUnit:	psi, bar, kpa, kgf/cm² (optional)
Resolution:	0.5psi/0.05bar
Extra Function:	Flashlight/ Emergeny life hammer/ Seatbelt cutter/ Compass Auto shut off

TPG04

TPG04

Pressure range:	3-100psi,0.20-6.90bar,20-700kpa,0.2-7.05kgf/cm²
Pressure Unit:	psi,bar,kpa,kgf/cm²(optional)
Resolution:	0.5psi/0.05bar
Power:	CR2032 3V lithium coin cell
Extra Function:	Back-Lit LCD and light on gauge's head Auto shut off

TG02

TG02

Pressure range:	3-100psi,0.20-6.90bar
Tire tread depth range:	0-15.8mm
Pressure Unit:	psi, bar
Resolution:	0.5psi/0.05bar
Power:	CR2032 3V lithium coin cell
Extra Function:	Measure tire tread depth Auto shut off Keyring

TG03

TG03

Pressure range:	3-100psi,0.20-6.90bar ,20-700kpa,0.2-7.05kgf/ cm²
PressureUnit:	psi,bar,kpa,kgf/cm²(optional)
Resolution:	0.5psi/0.05bar
Power:	CR2032 3V lithium coin cell
Extra Function:	Auto shut off Accuracy:≤±1psi

TG004

TG004

Pressure range:	3-100psi,0.20-6.90bar ,20-700kpa,0.2-7.05kgf/cm²
Pressure Unit:	psi,bar,kpa,kgf/cm²(optional)
Resolution:	0.5psi/0.05bar
Power:	CR2032 3V lithium coin cell 3XAG13 battery
Extra Function:	Back-Lit LCD and light on gauge's head for easy use in dark condition Auto shut off

Tire Pressure Gauges

FTT823

Content: Brass stem, metal body, acrylic lens

Calibrated: 10-60psi

FTTG54A

Inflator gun: Aluminum body, color matte with chrome plated friction ring

Calibrated: 0-160lbs or 0-220 lbs scales selection(bar.kpa.kg/cm².psi)

FTT286

Inflator gun: Aluminum body, color matte with chrome plated friction ring

Calibrated: 0-160lbs or 0-220 lbs scales selection(bar.kpa.kg/cm².psi)

FTT287

Content: Long Chuck with hose,1/4'coupler

FTTG54-1

Content: Inflating Gun with extension rubber hose, metal body

Calibrated: 0-160lbs or 0-220lbs scales selection(bar.kpa.kgf/cm2.psi)

FTTG54B

Content: Aluminum body, color matte with plastic coated friction ring

Calibrated: 0-160lbs or 0-220lbs scales selection(bar.kpa.kgf/cm2.psi)

FTTG22

Content: Zinc alloy body color matte, with chrome plated friction ring, acrylic lens.(Vibrant color)

Calibrated: 10-100lbs scales selection(bar. kpa. kgf/ cm².psi)

FTTG23

Content: Brass stem, drawn steel case with friction ring and acrylic lens, needle holds reading until released.
Diameter of 2.0"metal body

Calibrated: 0-60lbs scales selection(bar. kpa. kgf/ cm².psi)

Pencil-like Tire Air Gauges

FT871K

Content: vibrant color, the eye catching display include 8 pieces of passional tire gauge, plastic head, metal body,4 side plastic bar

Calibrated: 10-50lbs scales selection(bar.kpa. kgf/cm².psi)

FT105

Content: vibrant color, chrome-plated plastic or zinc head.4 side plastic bar. aluminum tube

Calibrated: 10-50lbs or 10-100 lbs scales selection(bar.kpa.kgf/cm².psi)

FT123

Content: metal body round rules.

Calibrated: 10-120psi

FT135-C

Content: metal body, iron bar or plastic bar

Calibrated: 10-150psi

Tire Tread Depth Gauge

FT-1420/FT-190

- **Content:** metal tube, plastic head, plastic bar
- **Appearance:** metal stalk son, easy to carry
- **Using:**push and pull the tail of the depth of instrument

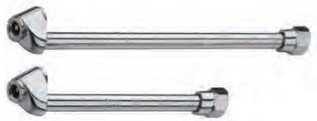
FT-1420

FT-190

Air Chucks

FTT130

Dual-foot Chuck, Angled 1/4"Female



FTT130-1

Dual-foot Chuck, Angled 1/4"Female

FTT136

Zinc-Alloy head chrome plated 1/4"

FTT138

Black handle, Zinc-Alloy head chrome plated 1/4",5/16" hose barb

FTT139

Red handle, Zinc-Alloy head chrome plated 1/4",5/16" hose barb

LUG NUTS BOLTS& WHEELSPACERS ADAPTERS

Lug Nuts

3/4HEX

1-PC ACORN

Thread Size	Part#
3/8	1001-19H
7/16	1002-19H
1/2	1004-19H
12mm 1.25	1006-19H
12mm 1.50	1007-19H
12mm 1.75	1012-19H
14mm 1.50	1009-19h
14mm 2.00	1014-19H

13/16HEX

MEDIUM ACRON

Thread Size	Part#
3/8	1001M
7/16	1002M
1/2	1004M
12mm 1.25	1006M
12mm 1.50	1007M
12mm 1.75	1012M
14mm 1.50	1009M
14mm 2.00	1014M

13/16HEX

ACORN

Thread Size	Part#
3/8	1001
7/16	1002
1/2	1004
12mm 1.25	1006
12mm 1.50	1007
12mm 1.75	1012
14mm 1.50	1009
14mm 2.00	1014

13/16HEX
2PC

2-PC ACORN

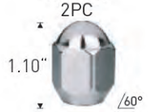
Thread Size	Part#
7/16	1202
1/2	1204
1/2LH	1205
12mm 1.25	1206
12mm 1.50	1207
12mm 1.75	1212
14mm 1.50	1209

13/16HEX

2-PC ACORN

Thread Size	Part#
7/16	1202S
1/2	1204S
12mm 1.50	1207S
12mm 1.25	1206S

3/4HEX
2PC



2-PC SHORT DUALIE ACORN

Thread Size	Part#
7/16	1352S
1/2	1354S
12mm 1.25	1356S
12mm 1.50	1357S

13/16HEX
2PC

2-PC SHORT DUALIE ACORN

Thread Size	Part#
7/16	1552S
1/2	1554S
12mm 1.25	1556S
12mm 1.50	1557S

13/16HEX

2-PC BULGE ACORN SHORT

Thread Size	Part#
7/16	1702S
1/2	1704S
12mm 1.25	1706S
12mm 1.50	1707S

3/4HEX

OPEN-END BULGE

Thread Size	Part#
7/16	1102S
1/2	1104S
12mm 1.25	1106S
12mm 1.50	1107S
12mm 1.75	1112S
14mm 1.50	1109S
14mm 2.00	1114S
9/16	1116S

13/16HEX

OPEN-END BULGE

Thread Size	Part#
7/16	1752
1/2	1754
12mm 1.25	1756
12mm 1.50	1757
12mm 1.75	1762
14mm 1.50	1759
14mm 2.00	1764
9/16	1760

13/16HEX

OPEN-END BULGE

Thread Size	Part#
7/16	1752L
1/2	1754L
12mm 1.25	1756L
12mm 1.50	1757L
12mm 1.75	1762L
14mm 1.50	1759L
14mm 2.00	1764L
9/16	1760L

3/4HEX

OPEN-END BULGE

Thread Size	Part#
7/16	1102
1/2	1104
12mm 1.25	1106
12mm 1.50	1107
12mm 1.75	1112
14mm 1.50	1109
14mm 2.00	1114
9/16	1116

13/16HEX

2PC BULGE ACORN

Thread Size	Part#
7/16	1702
1/2	1704
12mm 1.25	1706
12mm 1.50	1707
12mm 1.75	1712
12mm 1.50	1709
14mm 2.00	1714

3/4HEX
2PC

BULGE ACORN HEAT TREATED

Thread Size	Part#
7/16	2002
1/2	2004
12mm 1.25	2206
12mm 1.50	2007
12mm 1.75	2012
14mm 1.50	2009

3/4HEX

BUGLE ACORN

Thread Size	Part#
3/8	1901M
7/16	1902M
1/2	1904M
12mm 1.25	1906M
12mm 1.50	1907M
14mm 1.50	1909M
14mm 2.00	1914M

7/8HEX

2PC BULGE ACORN SPHERE WITH GROOVE

Thread Size	Part#
7/16	873502
1/2	873504
12mm 1.25	873506
12mm 1.50	873507
14mm 1.50	873509
14mm 2.00	873514

13/16HEX

BULGE ACORN

Thread Size	Part#
9/16	1710A-M
7/16	1702A-M
1/2	1704A-M
12mm 1.25	1706A-M
12mm 1.50	1707A-M
12mm 1.75	1712A-M
14mm 1.50	1709A-M
14mm 2.00	1714A-M

13/16HEX

BULGE ACORN

Thread Size	Part#
9/16	1710A
7/16	1702A
1/2	1704A
12mm 1.25	1706A
12mm 1.50	1707A
12mm 1.75	1712A
14mm 1.50	1709A
14mm 2.00	1714A

13/16HEX

BULGE ACORN LONG

Thread Size	Part#
9/16	1710A-L
7/16	1702A-L
1/2	1704A-L
12mm 1.25	1706A-L
12mm 1.50	1707A-L
12mm 1.75	1712A-L
14mm 1.50	1709A-L
14mm 2.00	1714A-L

3/4HEX

BULGE ACORN LONG

Thread Size	Part#
7/16	1902L
1/2	1904L
12mm 1.25	1906L
12mm 1.50	1907L
12mm 1.75	1912L
14mm 1.50	1909L
14mm 2.00	1914L
9/16	1910L

13/16HEX

OE MEDIUM MAG W/ ATTACHED WASHER

Thread Size	Part#
12mm 1.50	98-0003

13/16HEX

MEDIUM MAG W/ ATTACHED WASHER

Thread Size	Part#
12mm 1.50	98-0002NEW

7/8HEX

LONG MAG W/ ATTACHED WASHER

Thread Size	Part#
14mm 1.50	FN003

3/4HEX

GM OEM/CORVETTE

Thread Size	Part#
7/16	98-0001
12mm 1.50	98-0001M

13/16HEX

BULGE ACORN WITH GROOVE

Thread Size	Part#
7/16	FN-016-02
1/2	FN-016-04
12mm 1.25	FN-016-06
12mm 1.50	FN-016-07
14mm 1.50	FN-016-09

13/16HEX

ACRON SHORT

Thread Size	Part#
7/16	1002S
1/2	1004S
12mm 1.25	1006S
12mm 1.50	1007S
12mm 1.75	1012S

13/16HEX

2PC BULGE ACORN

Thread Size	Part#
7/16	213202
1/2	213204
12mm 1.25	213206
12mm 1.50	213207
14mm 1.50	213209

3/4HEX

BULGE ACORN

Thread Size	Part#
3/8	193410C
7/16	193402C
1/2	193406C
12mm 1.25	193406C
12mm 1.50	193407C

3/4HEX
2PC

BULGE ACORN

Thread Size	Part#
7/16	1952
1/2	1954
12mm 1.25	1956
12mm 1.50	1957
12mm 1.75	1962
14mm 1.50	1959

2/3HEX

1-PC ACORN

Thread Size	Part#
3/8	1001-17H
7/16	1002-17H
1/2	1004-17H
12mm 1.25	1006-17H
12mm 1.50	1007-17H
12mm 1.75	1012-17H

3/4HEX

OPEN-END SPHERE LUG NUTS

Thread Size	Part#
7/16	SR1102M
1/2	SR1104M
12mm 1.25	SR1106M
12mm 1.50	SR1107M
14mm 1.50	SR1109M

3/4HEX

BULGE ACORN

Thread Size	Part#
9/16	19310C
7/16	19302C
1/2	19306C
12mm 1.25	19306C
12mm 1.50	19307C
12mm 1.75	19312C

3/4HEX

BULGE ACORN SHORT

Thread Size	Part#
3/8	1901S
7/16	1902S
1/2	1904S
12mm 1.25	1906S
12mm 1.50	1907S

2/3HEX

MUSTANG LUG NUT

Thread Size	Part#
7/16	CR-5017-02
1/2	CR-5017-04
12mm 1.25	CR-5017-06
12mm 1.50	CR-5017-07

13/16HEX

TOYOTA LONG MAG W/ ATTACHED WASHER

Thread Size	Part#
12mm 1.50	98-0002
12mm 1.25	98-0002-06
14mm 1.50	98-0002-09

2/3HEX

ATV&TRAILER BULGE

Thread Size	Part#
10mm 1.25	1980
10mm 1.25	1980(BK)
3/8	1981

Lug Bolts

CONE SEAT

Part#	Thread Size	H	L
952	12mm 1.50	23mm/0.91"	50mm/1.97"
953		40mm/1.57"	67mm/2.64"
954		27mm/1.06"	54mm/2.13"
955		33mm/1.30"	58mm/2.28"
17C-4572-06		45mm/1.77"	72mm/2.83"
17C-5576-07		55mm/2.16"	76mm/2.99"
17C-4061-07		40mm/1.57"	61mm/2.4"
17C-2450-07		24mm/0.95"	50mm/1.97"
956	14mm 1.50	31mm/1.22"	56mm/2.20"
963		23mm/0.91"	50mm/1.97"
966		28mm/1.10"	55mm/2.17"
981		40mm/1.57"	67mm/2.64"
983		45mm/1.77"	66mm/2.60"
17C-2450-09		24mm/0.95"	50mm/1.97"
17C-3057-09		30mm/1.18"	57mm/2.24"
17C-3960-09		39mm/1.54"	60mm/2.36"
969	12mm 1.25	33mm/1.30"	58mm/2.28"
979	12mm 1.75	27mm/1.06"	54mm/2.13"
982	7/16	18mm/0.71"	47mm/1.85"
978	1/2	27mm/1.6"	54mm/2.13"
17C-2652-18	14mm 1.25	26mm/1.02"	52mm/2.05"

17HEX

17HEX

BALL SEAT

Part#	Thread Size	H	L
951	12mm 1.50	27mm/1.06"	54mm/2.13"
957		39mm/1.54"	63mm/2.48"
959		60mm/2.36"	80mm/3.15"
961		33mm/1.30"	58mm/2.28"
980S		24mm/0.94"	50mm/1.97"
980C		24mm/0.94"	50mm/1.97"
1814	12mm 1.25	28mm/1.10"	54mm/2.13"
1804L		39mm/1.54"	65mm/2.56"
962	14mm 1.50	31mm/1.22"	56mm/2.20"
964		23mm/0.91"	50mm/1.97"
965		51mm/2.01"	70mm/2.76"
985		39mm/1.54"	60mm/2.36"
986		28mm/1.10"	55mm/2.17"
987		55mm/2.17"	82mm/3.23"
988		60mm/2.36"	87mm/3.43"
989		65mm/2.56"	92mm/3.62"

Lug Bolt Caps

Site:HEX17,19,21

Wheel Locks

FS001
4+1 SET/4+2 SET

FS003
4+1 SET/4+2 SET

FS002
4+1 SET/4+2 SET

FS004
4+1 SET/4+2 SET

Customized Packages are acceptable

Hub Centric Rings

Any Design And Size Can Be Ordered

Customized Colors are acceptable

Wheel Spacer

WS001

Description: 4Lug(100mm/4.25 to 120mm/4.75BC) and 6 on 4.5-8mm/5/16" Thick

WS003

Description: 5Lug(100mm/4.25 to 120mm/4.75BC)5mm/3/16"Thick

WS004

Description: 5Lug(108mm/4.25 to 135mm/5.00BC)8mm/5/16"Thick

WS005

Description: 5Lug(108mm/4.25 to 135mm/5.0BC)12mm/1/2"Thick

WS006

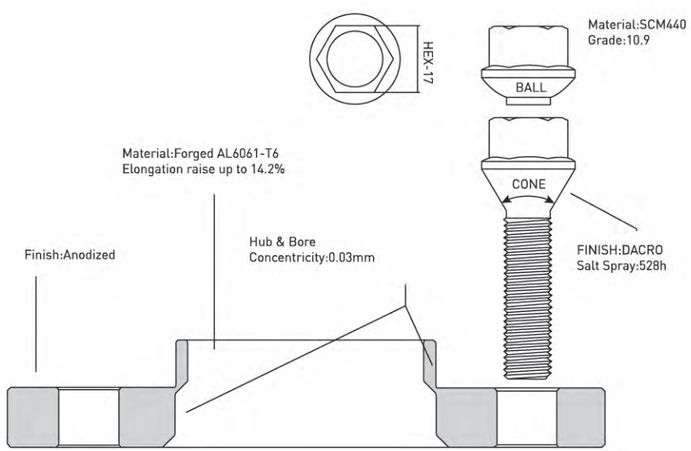
Description: 7Lug(150mm-BC)-6mm/1/4"Thick

WS007

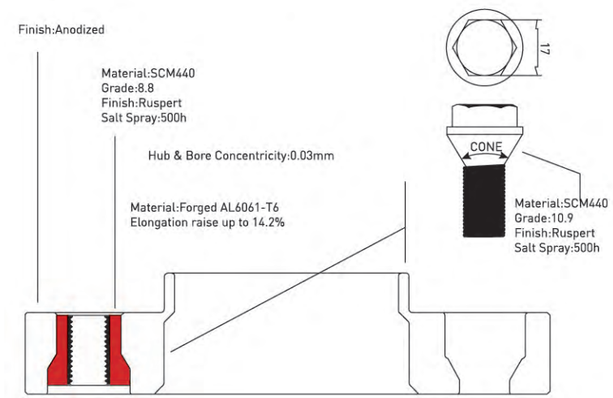
Description: 5Lug(100mm/4.25 to 120mm/4.75BC)8mm/5/16"Thick

WS008

Description: 4/5Lug(100mm/4.25 to 120mm/4.75BC) 5mm/3/16"Thick



Wheel Adapter



FEATURES

Material:Forged Aluminum 6061-T6 7075-T6
Finish:CNC machined,Anodized
Bolt/Stud:Bolt or Stud
Thick:20-50mm

Hubcentric wheel adapter is made of lightweight aircraft aluminum alloy.After being CNC machined and anodized,it becomes incredibly strong,precise,and durable.

O.D	H/PCD	Hub	Bore	Thread Type
139	4/100	56.1		M12xP1.50
139	4/100	56.1		M12xP1.50
139	3/112	57.1		M12XP1.50
139	4/108	57.1		M14XP1.50
149	5/112	57.1		M14xP1.50
149	5/112	57.1		M14xP1.50
169	5/130	71.6		M14xP1.50
169	5/130	71.6		M14xP1.50
179	5H/139.7		108	M12xP1.25xL27
179	5H/139.7		108	M12xP1.25xL27
149	4H/114.3		73	M12xP1.25xL23
149	4H/114.3		73	M12xP1.25xL23
149	5H/114.3		73	M12Xp1.25Xl23
149	4H/100		54.1	M12xP1.50xL23
149	4H/100		54.1	M12xP1.50xL23
149	5H/100		54.1	M12xP1.25xL23
149	5H/100		54.1	M12xP1.25xL23

Made from a durable ,reusable bright yellow polymer

TIRE REPAIR TOOLS

Different Needles

Tire Repair Tools

Pistol Grip Tools

4-100 Straight handle

4-102 L handle

4 -101-1 L handle

4-106 plastic L handle

4-105 Plastic T handle

Heavy-duty Chrome Plated Steel T-handle Tools

TRT75PR-1

TRT75MR

Heavy-duty Zinc Alloy T-handle Tools

TRT75PR

TRT75NR-1

Valve Tool

FTT25

FTT21

FTT22-1

FTT22

FTT30

FTT31

FTT32

FTT31P

FTT33

FTT34

FTT35

FTT11-1

FTT11-2

FTT11

FTT11-3

FTT13

FTT17

FTT10

FTT18

FTT12

FTT14

FTT15

FTT16

Stitchers & scrapers

FT42-2
（38mmX2mm）

FT42-3
（38mmX3mm）

FT42-4
（38mmX5mm）

FT43-1
（48mmX6mm）

FT43-2
（38mmX3mm）

FT45-1

FT45-2

TR75S

TR75S-1

FT42-50

FTT46

FTT47

FTT48

FTT49

FTT50

Air Chucks

European Style Clip –on Air Chucks

AC04

AC106

AC108C

AC208

South-eastern Asian Style

VH112

VH113

Holders for Extensions

FVE1

FVE2

FVE3

Wheel Weight Tools

FTT52-3

FTT52-2

FTT52

FTT52-4

FTT53

FTT53-1

FTT53-2

FTT5

Tire Repair Kits

KT-1 6 pcs Tire Repair Kit

- 1pc plastic T handle needle
- 1pc plastic T handle spiral probe
- 3 pcs 4'cold-mending rubber strip
- 1pc rubber cement

KT-2 7 pcs Tire Repair Kit

- 1pc plastic straight handle needle
- 1pc plastic straight handl spiral probe
- 5 pcs 4'cold-mending rubber strip

KT-3 8 pcs Tire Repair Kit

- 1pc plastic T handle needle
- 1pc plastic T handle spiral probe
- 5 pcs 4'cold-mending rubber strip
- 1pc rubber cement

KT-4 7 pcs Tire Repair Kit

- 1pc plastic big Lhandle needle
- 1pc plasticbig Lhandle spiral probe
- 5 pcs 4'cold-mending rubber strip

KTR001

KTB002

KTR001/KTB002

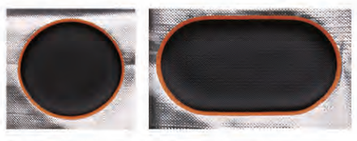
1PC Zinc-Alloy/Steel T-handle Tire Seal Insertion Tool
1PC Zinc-Alloy/Steel T-handle Spiral Probe Tool
6PCS 4"Self-vulcanization Plugs
2PCS L-type Hex Tools
1PC Lube
1PC Blow Mould Case

Euro Style Patches

Universal Round Patches

Euro Style Bias-Ply Patches

Euro Style Radial Patches



Tube/Tubeless Tire Repairs Patches black colour with orange base

PRODUCTION UNITS	DESCRIPTION	SIZE(mm)	PCS/BOX
Universal Round Patches	ROUND	32	80
	ROUND	38	70
	ROUND	45	55
	ROUND	55	45
Euro Style Bias-Ply Patches	1PLY	75	20
	2PLY	105x105	10
	2PLY	135x135	10
	4PLY	175x175	10
	6PLY	215x215	10
	8PLY	260x260	10
	10PLY	300x300	5
	12PLY	350x350	5
	12PLY	400X400	5
Euro Style Radial Patches	1PLY	55x75	20
	2PLY	65x105	20
	2PLY	80x125	10
	3PLY	92x135	10
	3PLY	92x155	10
	4PLY	130x190	10
	4PLY	125x215	10
	5PLY	140x280	5
	5PLY	148x340	5
	5PLY	180x440	5
	9PLY	180x570	5
	9PLY	240x600	5
	1PLY	125x125	10
	1PLY	135x135	10
Tube/Tubeless Tire Repairs Patches black colour with orange base	ROUND	52	16
	ROUND	40	25
	ROUND	30	36
	ROUND	25	64
	OVAL	72x40	15
	OVAL	50x32	24
	OVAL	34x24	48

US Style Patches

PRODUCTION UNITS	DESCRIPTION	SIZE(mm)	PCS/BOX
Universal Round Patches	ROUND	65	30
	ROUND	76	50
US Style Bias-Ply Patches	BP-0,1PLY	60	25
	BP-1,1PLY	75	20
	BP-2,3PLY	90x90	20
	BP-3,3PLY	100x100	10
	BP-4,4PLY	130x130	10
	BP-5,4PLY	165x165	10
	BP-6,6PLY	240x240	10
US Style Radial Patches	CT-10,1PLY	45-75	20
	CT-12,2PLY	60x110	10
	CT-20,2PLY	75x125	10
	CT-14,2PLY	75x145	10
	CT-22,3PLY	75x165	10
	CT-24,3PLY	75x215	10
	CT-26,3PLY	75x250	10
	CT-33,3PLY	100x125	10
	CT-40,3PLY	100x200	10
	CT-35,3PLY	125x150	10

Universal Round Patches

US Style Bias-Ply Patches

US Style Radial Patches

Patch Plug

FPP

46*6MM 24pcs/box 36boxes/case
60*6MM 24pcs/box 27boxes/case
50*9MM 24pcs/box 27boxes/case
60*9MM 24pcs/box 27boxes/case

Insert Seals

FS02

Color: Black,Brown
Diameter: 6mm,4.5mm,3.5mm
Length: 4",8"

Tire Repair Tools

Buffers

Part#	Description	Qty/Box
FM001	Low Speed Buffer(~2500rpm)	1
FM002	High Speed Buffer(~20000rpm)	1

Aluminum Oxide Stones

Part#	Description	Qty/Box
FM011	White Pencil Grinding Stone	20
FM012	White Pencil Grinding Stone	20
FM013	Small Mushroom Grinding Stone	20
FM014	Small Mushroom Grinding Stone	20

Rubberhog

Part#	Description	Diameter(in.)	Height(in.)	Grit	Qty/Box
FM021	Buffing Cone 3/8" Arbor	3/4	1 3/4	SSG 170	1
FM022	Buffing Cone 3/8" Arbor	3/4	1 3/4	SSG 230	1
FM023	Buffing Cone 3/8" Arbor	2 1/2	1	SSG 170	1
FM024	Buffing Cone 3/8" Arbor	2 1/2	1	SSG 230	1
FM025	Buzzout Wheel 3/8" Arbor	2	1/4	SSG 390	1
FM026	Polyplug	1 3/4			1
FM027	Polyplug	2 1/2			1

Brushes

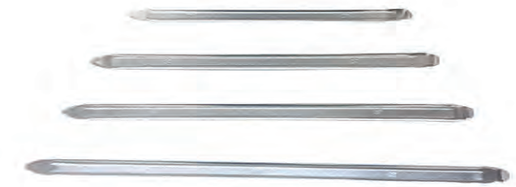
Part#	Description	Qty/Box
FM031	2"Encapsulated Wire Wheel	1
FM032	3"Encapsulated Wire Wheel	1

Carbide Cutters

Part#	Description	Length(in.) Overall	Length(mm) Overall	Diameter(in.) Cut	Diameter(mm) Cut	Qty/Box
FM041	Carbide Cutter 1	2	50	1/8	3	1
FM042	Carbide Cutter 2	3	75	1/4	6	1
FM043	Carbide Cutter 2P	2	50	1/4	6	1
FM044	Carbide Cutter 3	4	100	5/16	8	1
FM045	Carbide Cutter 3P	3	75	5/16	8	1
FM046	Carbide Cutter 4	4	100	3/8	10	1

Tire Mount/Demount Tool

Part Number	Description
FTL001	12"/300mm Tire Lever
FTL002	20"/500mm Tire Lever
FTL003	24"/600mm Tire Lever
FTL004	28"/700mm Tire Lever



FTB003

FTB001

Part Number	Material	Surface Treatment	Specification
FTB001	45# tool steel	Chromed or Nickel Plated Yellow or Green color	7PCS Tire Mounting Demounting Tools Kit/Set
FTB002	45# steel	Chromed or Nickel Plated Yellow color	3PCS Tire Demount Tools Kit/Set
FTB003	45# steel	Chromed or Nickel Plated Green color	

FTB002

Cross Wrench

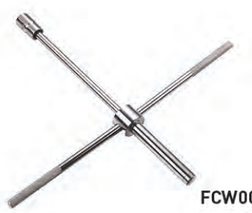
FCW008

FCW001

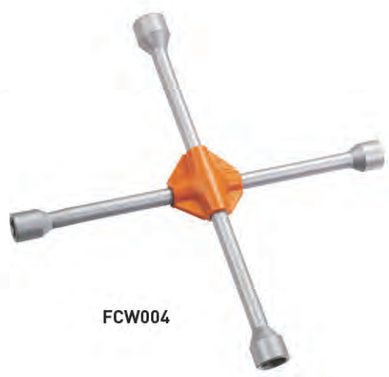
FCW003

Part No.	Description
FCW001	Forges Cross Wrench With Steel Pad 17mm, 19mm, 21mm & Free1/2" bar
FCW002	Forged Cross Wrench 17mm, 19mm, 21mm & 23mm
FCW003	Forged Cross Wrench With Steel Pad 17mm, 19mm, 21mm & 23mm
FCW004	Forged Cross Wrench With ABS Pad 17mm, 19mm, 21mm & 23mm
FCW005	20" Forged Cross Wrench 17mm, 19mm, 21mm & 23mm
FCW006	Foldable Cross Wrench 17mm, 19mm, 21mm & 23mm
FCW007	Heavy Duty Detachable Cross Wrench 1/2" Free Bar
FCW008	L Style Wrench With Two Socked, 17mm/19mm & 21mm/23mm

FCW002



FCW007



FCW004

FCW006

FCW005

Air Hydraulic Pumps

NAP -002

Model	Usable Oil Volume	Pressure Rating	Air Source Pressure	Flow Rate		Reservoir Materail	Output Oil Thread	Wight(N.W)	Wight(G.W)	Packing Measurement
	L	Mpa	Mpa	No Laod	Laod		in	kg	kg	mm
PAP-001	2.3	70	0.7-1.0	0.8	0.16	Plastic	3/8-18 NPT	8	8.5	360*220*210
PAP-002	1.6	70	0.7-1.0	0.8	0.16	Aluminum	3/8-18 NPT	7.5	8	305*175*210
PAP-003	1.5	70	0.7-1.0	0.8	0.16	Steel	3/8-18 NPT	10.5	11	360*220*210
PAP-002R	1.6	70	0.7-1.0	0.8	0.16	Aluminum	3/8-18 NPT	8.5	9	305*175*230

Model	A	B	C	D	E	F	G	H	K	Operational
	mm	mm	mm	mm	mm	mm	mm	mm	mm	Manner
PAP-001	189	154	109	282	258	143	122	92	179	Foot Control
PAP-002	189	154	109	249	232	121	107	92	136	Foot Control
PAP-003	188	154	108	320	/	180	/	92	180	Foot Control
PAP-002R	186	154	109	249	232	121	107	92	136	Remote Control

Combi Bead Breakers

ND 6220

Model	p y		A	B	C	D	E	F	G	H
	TON	Mpa								
PD6220	10	70	325	256	150	95	131	456		
PD6225	10	70	325	256	165	95	131	492		
PD6100	10	70	327	258	131.5	95	138	449		
PD6200	13	70	10°	88	102	423	433	110	58	Φ64

Wheel-Hub Bolt Tool Sets

Model	Capacity	Air Source Pressure	Measurement							Wight
	TON	Mpa	A	B	C	D	E	F	G	KG
PD001	10	70	444	153	73	20	25	115	Φ63	7.6
PD002	10	70	444	153	145	20	50	50	Φ63	8.3

Air Tank

FSD-5A

Features

- CE certified tank
- Air operated valve
- High visible power coat finish
- Large easy read air gauge
- High quality pre-set safety release valve
- Works for all kinds of vacuum tires

FSD-5/FSD-10

Features

- CE certified tank
- High visible power coat finish
- Large easy read air gauge
- 90 degree on/off ball style discharge valve
- Pre-set safety release valve

Model	Working Pressure	Maximum Pressure	Volume	GW/NW	MEAS
FSD-5A	0.6-0.8Mpa	1Mpa	6L	3.95/3.15kg	600X190X220mm
FSD-5	0.6-0.8Mpa	1Mpa	5Gallon	11/10kg	435X410X300mm
FSD-10	0.6-0.8Mpa	1Mpa	10Gallon	16/14kg	575X430X340mm

Vulcanizer

FAJD-1

Features

- This series works for all kinds of inner tubes, passenger car tires and vacuum tires
- Signal Light Circuit Protection
- It has 15 minutes timer

Model	Input Voltage	Input Power	Temperature Rage	Max Repair Area	GW/NW(PC)	MEAS
FAJD-1	110V/220V	500W	145-165℃	120X80mm²	8.25/7.8kg	325X190X390mm
FAJD-D	110V/220V	500W	145-165℃	120X80mm²	7.6/6.9kg	340X190X340mm
FAJD-1Q	110V/220V	500W	145-165℃	120X80mm²	9/8kg	330X195X510mm
FAJD-5	110V/220V	500W	145-175℃	120X80mm²	7.7/7kg	340X190X340mm
FAJD-7	110V/220V	500W	145-175℃	120X80mm²	9.2/8.3kg	375X195X510mm

WHEELS

14 Inches

X40720

X40862

SPECIFICATIONS

Art No.	STS No.	SIZE	PCD	ET	CB	Application
X40862	S4410056	14×5.5	4-100	45	56.1	Acura,Honda,Mitsubishi
X41442	S4410059	14×5.5	4-100	45	59.1	Acura,Chevrolet/GMC,,Chrysler/Dodge,Daewoo,Ford,Geo, Honda,Isuzu,Kia,Mazda,Mercury,Mitsubishi,Nissan,Pontiac, Saturn,Scion,Suzuki,Toyota,Volkswagen
X41445	S4411467	14×5.5	4-114.3	46	67.1	Chevrolet/GMC,Chrysler/Dodge,Daewoo,Eagle.Geo,Honda, Hyundai,Infiniti,Kia,Mercury,Mitsubishi,Nissan,Pontiac,Suzuki
X41446	S4410863	14×5.5	4-108	47.5	63.6	Ford,Mercury
X41448	S4410054	14×5.5	4-100	45	54.1	Hyundai,Kia,Mazda,Scion,Toyota
X42449	S4410056	14X5.5	4-100	45	56.6	Acura,Chevrolet/GMC,Chrysler/Dodge,Daewoo,Ford,Geo, Honda,Isuzu,Kia,Mazda,Mercury,Mitsubishi,Nissan,Pontiac, Saturn,Scion,Suzuki,Toyota,Volkswagen
X41451	S4511472	14X5.5	5-114.3	44	72	Acura,Buick,Cadillac,Chevrolet/GMC,Chrysler/Dodge,Eagle, Ford,Honda,Mazda,Oldsmobile,Plymouth,Pontiac,Toyota
X41453	S4510057	14x6.0	5-100	45	57.1	Buick,Chevrolet/GMC,Oldsmobile,Pontiac
X41455	S4510057	14×5.5	5-100	40	57	Chrysler/Dodge,Plymouth,Subaru,Toyota

15 Inches

X40709

X40922

X40957

SPECIFICATIONS

Art No.	STS No.	SIZE	PCD	ET	CB	Application
X40839	S5510056	15X6.0	5-100	47	56.1	Saab,Subaru
X40861	S5410056	15×6.0	4-100	45	56	Acura,Honda,Mitsubishi
X40871	S5511460	15×6.5	5-114.3	40	60.7	Lexus, Suzuki, Toyota

SPECIFICATIONS

X40881	S5511467	15×6.0	5-114.3	45	67.1	Chrysler/Dodge,Eagle,Ford,Hyundai,Infiniti,Kia,Mazda, Mitsubishi,Plymouth
X41545	S5411467	15×6.0	4-114.3	45	67	Acura,Chevrolet/GMC,Daewoo,Eagle,Honda,Hyundai,Infiniti,Kia ,Mitsubishi,Nissan,Suzuki,Volvo
X41547	S5410060	15×6.0	4-100	45	60.1	Chevrolet/GMC,Nissan
X41555	S5510865	15×6.5	5-108	43	65.3	Ford, Volvo
X41557	S5510057	15×6.0	5-100	36.5	57.3	Buick,Chevrolet/GMC,Chrysler/Dodge,Oldsmobile,Plymouth,Po ntiac,Saab,Scion,Subaru,Toyota,Volkswagen
X42540	S5410056	15X6.0	4-100	42	56.8	Acura,Chevrolet/GMC,Daewoo,Ford,Geo,Honda,Hyundai, Isuzu,Kia,Mazda,Mini,Mitsubishi,Pontiac,Saturn,Scion, Suzuki,Toyota,Volkswagen
X42541	S5409858	15×6.0	4-98	35	58.1	Fiat
X42545	S5411466	15×5.5	4-114.3	40	66.1	Infiniti,Nissan
X42551	S5510054	15×6.0	5-100	33	54.1	Pontiac, Scion, Toyota
X42552	S5511464	15×6.0	5-114.3	45	64.1	Acura, Honda
X42553	S5511065	15x6.0	5-110	48	65.1	Chevrolet/GM, Pontiac, Saab, Saturn
X42554	S5511472	15×6.0	5-114.3	38.5	72	Acura,Buick,Cadillac,Chevrolet/GMC,Chrysler/Dodge, Daewoo,Eagle,Ford,Honda,Hyundai,Infiniti,Jeep,Kia,Lexus, Mazda,Mercury,Mitsubishi,Nissan,Oldsmobile,Plymouth, Pontiac,Suzuki,Toyota
X43557	S5510557	15X6.0	5-105	40	57.1	Chevrolet/GMC
X43558	S5510863	15X6.0	5-108	46	63.3	Ford, Lincoln, Mercury
X44559	S5511257	15×6.0	5-112	47	57.1	Audi, Volkswagen
X45559	S5511267	15×6.0	5-112	47	67.1	Mini

16 Inches

X40838

X46460

X99143N

SPECIFICATIONS

Art No.	STS No.	SIZE	PCD	ET	CB	Application
X40794	S6511266	16×7.0	5-112	40	66.6	Audi,Mercedes-Benz
X40827	S6511470	16X7.0	5-114.3	12	70.5	Ford,Lincoln,Mazda,MercuryNissan
X40867	S6510056	16×6.5	5-100	48	56	Saab,Scion,Subaru,Toyota
X40878	S6511464	16×6.5	5-114.3	54.5	64.1	Acura,Honda
X41645	S6411466	16×6.5	4-114.3	45	66.1	Acura,Chevrolet/GMC,Honda,Hyundai,Infiniti,Kia,Nissan, Suzuki,Volvo
X41646	S6410863	16×6.5	4-108	45	63.5	Ford,Mercury
X41647	S6410060	16X6.5	4-100	42	60.1	Acura,Chevrolet/GMC,Fiat,Ford,Honda,Hyundai,Isuzu,Kia, Mazda,Mini,Mitsubishi,Nissan,Pontiac,Saturn,Scion,Suzuki, Toyota,Volkswagen
X41657	S6510057	16×6.5	5-100	41	57	Audi,Buick,Chevrolet/GMC,Chrysler/Dodge,Lexus,Pontiac, Saab,Scion,Subaru,Toyota,Volkswagen
X41658	S6510865	16×6.5	5-108	43	65.3	Ford,Jaguar,Lincoln,Mercury,Volvo

X41665	**S6611471**	16×6.5	6-114.3	25	71.5	Chrysler/Dodge,Nissan,Suzuki
X42641	**S6409858**	16X7.0	4-98	30	58.1	Fiat
X42657	**S6512064**	16×7.0	5-120	50	64.1	Honda
X42667	**S66139106**	16×7.0	6-139.7	15	106.1	Chevrolet/GMC,Hummer,Infiniti,Isuzu,Nissan,Toyota
X43653	**S6511065**	16X6.5	5-110	45	65.4	Cadillac,Chevrolet/GMC,Chrysler/Dodge,Fiat,Jeep,Pontiac, Saab,Saturn
X43656	**S6511466**	16×6.5	5-114.3	40	66.1	Chevrolet/GMC,Infiniti,Nissan
X43657	**S6510557**	16X6.5	5-105	40	57.1	Buick,Chevrolet/GMC
X43659	**S6511257**	16×7.0	5-112	42	57.1	Mini
X43668	**S6613978**	16X7.0	6-139.7	15	78.1	Cadillac,Chevrolet/GMC
X43689	**S68165116**	16X6.5	8-165.1	28	116.7	Chevrolet/GMC,Hummer
X44653	**S6512771**	16×6.5	5-127	40	71.6	Chrysler/Dodge,Jeep,Ram,Volkswagen
X44654	**S6512072**	16X6.5	5-120	46	72.6	BMW,Chevrolet/GMC,Mini,Pontiac
X44655	**S6511570**	16X6.5	5-115	41	70.5	Buick,Cadillac,Chevrolet/GMC,Oldsmobile,Pontiac,Saturn, Suzuki
X45659	**S6511266**	16×6.5	5-112	50	66.5	Mini
X74655	**S6511467**	16×6.5	5-114.3	40	67.1	Acura,Chevrolet/GMC,Chrysler/Dodge,Eagle,Ford,Honda, Hyundai,Infiniti,Jeep,Kia,Land Rover,Lexus,Lincoln,Mazda, Mercury,Mitsubishi,Nissan,Plymouth,Pontiac,Scion,Subaru, Suzuki,Toyota

17 Inches

X47127

X47556

X47567

SPECIFICATIONS

Art No.	STS No.	SIZE	PCD	ET	CB	Application
X40911	**S7511470**	17×7.5	5-114.3	52	70.1	Ford,Lincoln,Mercury
X41752	**S7513978**	17×7.0	5-139.7	25	78	Chrysler/Dodge,Mitsubishi,Ram
X41753	**S7512771**	17×7.0	5-127	50	71.5	Jeep
X41757	**S7510057**	17X7.0	5-100	38	57	Audi,Buick,Chevrolet/GMC,Chrysler/Dodge,Lexus,Pontiac, Saab,Scion,Subaru,Toyota,Volkswagen
X41761	**S7611570**	17×6.5	6-115	51	70.3	Buick,Cadillac,Chevrolet/GMC,Kia,Nissan,Pontiac,Saturn, Suzuki
X41762	**S7612778**	17×7.0	6-127	50	78	Buick,Chevrolet/GMC,Isuzu,Oldsmobile,Saab
X41782	**S78165122**	17×7.0	8-165.1	45	122	Chrysler/Dodge,Nissan,Ram
X42751	**S7511460**	17X7.0	5-114.3	39	60.1	Lexus,Pontiac,Scion,Suzuki,Toyota
X42752	**S7511464**	17X6.5	5-114.3	40	64.1	Acura,Honda
X42768	**S76139106**	17X7.0	6-139.7	14	106.1	Chevrolet/GMC,Hummer,Hyundai,Infiniti,Isuzu,Kia,Lexus, Mitsubishi,Nissan,Toyota

X43753	**S7511065**	17X6.5	5-110	46	65.4	Cadillac,Chevrolet/GMC,Chrysler/Dodge,Fiat,Jeep,Pontiac, Saab,Saturn
X43754	**S7512067**	17X6.5	5-120	45	67.1	Acura,Buick,Cadillac,Chevrolet/GMC,Honda
X43757	**S7510557**	17X6.5	5-105	40	57.1	Buick,Chevrolet/GMC
X43758	**S7510863**	17×7.0	5-108	43	63.3	Ford,Jaguar,Lincoln,Mercury,Volvo
X43759	**S7511266**	17X6.5	5-112	50	66.6	Audi,Mercedes-Benz,Mini
X43761	**S7612067**	17×7.0	6-120	30	67.1	Chevrolet/GMC
X43765	**S7613587**	17×7.0	6-135	42	87	Ford,Lincoln
X43768	**S7613978**	17×7.0	6-139.7	14	78.1	Cadillac,Chevrolet/GMC,Nissan
X43781	**S78170124**	17×7.5	8-170	40	124.9	Ford
X44753	**S7512771**	17×6.5	5-127	40	71.5	Chrysler/Dodge,Jeep,Ram,Volkswagen
X44754	**S7512072**	17X6.5	5-120	40	72.6	BMW,Buick,Mini
X45754	**S7512064**	17X7.0	5-120	45	64.1	Acura,Honda
X45755	**S7511456**	17×7.0	5-114.3	40	56.1	Subaru
X45759	**S78180124**	17×7.0	8-180	45	124	Audi,Volkswagen

18 Inches

X48508

X48520

X48560

SPECIFICATIONS

Art No.	STS No.	SIZE	PCD	ET	CB	Application
X41857	**S8510056**	18×6.5	5-100	40	56.1	Lexus,Subaru,Toyota
X41865	**S8613586**	18X7.5	6-135	37.5	86.5	Ford,Lincoln
X41869	**S8613978**	18X7.5	6-139.7	22	78.1	Chrysler/Dodge,Ram
X43854	**S8512067**	18X7.0	5-120	45	67.1	Acura,Buick,Cadillac,Chevrolet/GMC,Honda
X43858	**S8510863**	18X7.0	5-108	52	63.3	Ford,Jaguar,Land Rover,Lincoln,Volvo
X43861	**S8612067**	18X7.0	6-120	30	67.1	Buick,Cadillac,Chevrolet/GMC
X43868	**S8613978**	18X7.0	6-139.7	25	78.1	Cadillac,Chevrolet/GMC,Infiniti,Nissan
X43882	**S88165122**	18X7.5	8-165.1	40	122	Chrysler/Dodge,Nissan,Ram
X43886	**S88180124**	18X7.5	8-180	40	124.1	Chevrolet/GMC
X43859	**S8511266**	18X7.0	5-112	50	66	Audi,Mercedes-Benz,Mini
X44857	**S8510557**	18X7.0	5-105	39	57.1	Buick,Chevrolet/GMC
X44859	**S8511257**	18X7.0	5-112	50	57	Audi,Volkswagen
X45859	**S8511257**	18X7.0	5-112	38	57.1	Audi,Volkswagen

Quality Control

Certificate of Registration

This certifies that the Quality Management System of

Ningbo Hinuos Auto Technology Co., Ltd.

Building B, No.3388, Jichang Road, Haishu District,
Ningbo City, Zhejiang Province, China 315000

Has been assessed by NSF-ISR and found to be in conformance to the following standards(s):

IATF 16949:2016

Scope of Registration:
Manufacturing of Wheel Balance Weights, Tire Valve

Exclusions: Product Design

IATF Certificate Number:	0342106
Certificate Number:	CNIATF037325
Certificate Issue Date:	12-NOV-2018
Registration Date:	05-NOV-2018
Expiration Date*:	04-NOV-2021

Carl Bluck,
Director, Technical
Operations &Business Units,
NSF-ISR, Ltd.

NSF International Strategic Registrations
789 North Dixboro Road, Ann Arbor, Michigan 48105 | (888) NSF-9000 | www.nsf-isr.org

ISO/TS 16949:2016

CERTIFICATE

The Certification Body
of TÜV SÜD Management Service GmbH
certifies that:

Ningbo HINUOS AUTO TECH CO., LTD.
Xuwang Industrial Park, Hengjie Town, Haishu District,
Ningbo City, Zhejiang Province, P. R. China
Post Code: 315181.

Unified social credit code / Organization code: 91330203734219215G

has established and applies
a Quality Management System for:

Manufacture and Sales of Tire Valves for Automobile

An audit was performed, Report No. **7482188480**
Proof has been furnished that the requirements
according to

ISO 9001:2018

are fulfilled.

The certificate is valid from **2018-07-30** until **2021-07-29**
The certified organization shall undergo and pass
the regular surveillance audit to maintain the validity of this certificate.

Certificate Registration No. **12 100 56210 TMS**

Information about this certificate can be inquired at the official website
of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn)

Global Competence Management
Munich, 2018-08-07

TUV CERTIFICATE

Certificate of Environment Management System

Certificate No.: 10117E024280S

Awarded to

NINGBO HINUOS AUTO TECH CO.,LTD.

Organization Code Certificate No.: Unified Social Credit Code:91330203734219215G
Registration Add: F3 NO.75-14-2 ,ZIAHETOU ROAD , NINGBO ,CHINA 315000
Office Add: NO.55BR DUANMU ROAD NINGBO ,CHINA , 315000
Production Add: NO.55BR DUANMU ROAD NINGBO ,CHINA , 315000
Business Add: NO.19 JIANGXIA STREET NINGBO ,CHINA , 315000

Beijing ZhongLianTianRun Certification Center(ZLTR) certify that the Environment Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard:
GB/T24001-2016 / ISO14001:2015

SCOPE OF CERTIFICATION/REGISTRATION
the environmental management activities involved by SALES OF AUTO PARTS (WHEEL BALANCE WEIGHTS,TIRE VALVES), and sites

This certificate is made valid when used with certification scopes and the requirements of applicable laws and regulations. These requirements include, but are not limited to, administrative permits, scopes of qualifications, and CCC requirements.
Subject to operation conditions in requirements conformity with Environment Management System, This Certificate is valid for a period of three years only.
Date from: Mar 9th,2017 To: Mar 6th,2020
Renewal DateMar 4th,2018
The effectiveness of this Certificate shall be Validated by periodic surveillance audit of ZLTR or assessment.
The time limit of the certificate is to Jan 31st,2019, please conducting the surveillance or re-certification assessment before Jan 31st,2019. If the assessment is overdue , the certificate is invalid.
Information of this certificate can be found on the official website of Beijing Zhonglian Tianrun Certification center (http://www.zlrz.com.cn)

ISO Accredited (IAF MS) OCDS Accredited OCDS
IAF
CERTIFICATION CERTIFICATE ISO 14001 REGISTERED

Beijing Zhongliantianrun Certification Center

ISO/TS 14001:2015

Certificate of Approval

Certificate No.: 10117Q1106R0S

Awarded to

NINGBO HINUOS AUTO TECH CO.,LTD.

Organization Code Certificate No.: Unified Social Credit Code:91330203734219215G
Registration Add: F3 NO.75-14-2 ,ZIAHETOU ROAD , NINGBO ,CHINA 315000
Office Add: NO.55BR DUANMU ROAD NINGBO ,CHINA , 315000
Production Add: NO.55BR DUANMU ROAD NINGBO ,CHINA , 315000
Business Add: NO.19 JIANGXIA STREET NINGBO ,CHINA , 315000

Beijing ZhongLianTianRun Certification Center (ZLTR) certify that the Quality Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard:
GB/T19001-2016 / ISO9001:2015

SCOPE OF CERTIFICATION/REGISTRATION
PRODUCTION AND SALES OF AUTO PARTS (WHEEL BALANCE WEIGHTS,TIRE VALVES),EXCEPT REGULATIONS REQUIRED RANGE

This certificate is made valid when used with certification scopes and the requirements of applicable laws and regulations. These requirements include, but are not limited to, administrative permits, scopes of qualifications, and CCC requirements.
Subject to operation conditions in requirements conformity with Quality Management System, This Certificate is valid for a period of three years only.
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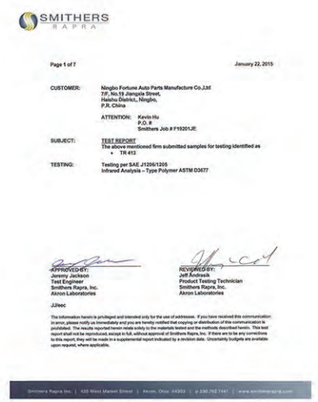
ISO Accredited (IAF MS) OCDS Accredited OCDS
IAF
CERTIFICATION CERTIFICATE ISO 9001 REGISTERED

Beijing Zhongliantianrun Certification Center

ISO/TS 90001:2015



SMITHERS RAPRA

Page 1 of 7 — January 22, 2015

CUSTOMER: Ningbo Fortune Auto Parts Manufacture Co.,Ltd
7F, No.19 Jiangxia Street,
Haishu District, Ningbo,
P.R.China

ATTENTION: Kevin Hu
P.O. #
Smithers Job # F15201JE

SUBJECT: TEST REPORT
The above mentioned firm submitted samples for testing identified as
- TR-413

TESTING: Testing per SAE J1206/1205
Infrared Analysis – Type Polymer ASTM D0677

APPROVED BY:
Jeremy Jackson
Test Engineer
Smithers Rapra, Inc.
Akron Laboratories

REVIEWED BY:
Jeff Andrews
Product Testing Technician
Smithers Rapra, Inc.
Akron Laboratories

JJ/eec

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Smithers Rapra Inc. | 425 Wolf Ledges Street | Akron, Ohio 44311 | p 330.762.7441 | www.smithersrapra.com

VALVE TEST REPORT

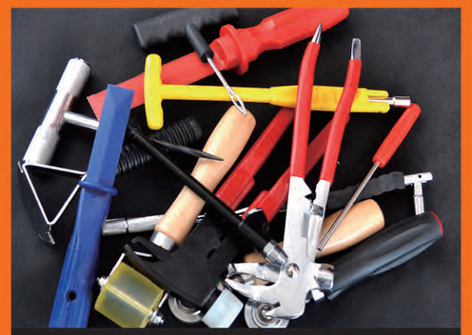
Our Products

Adhesive Wheel Weights

Clip-on Wheel Weights

Tire Valves

Wheel Accessories



Tire Repair Tools

Wheels