

TIGAR BILGU BOLLARDS



Constructed of
100% recycled rubber



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FEATURES

Tigar Bilgu Bollards are the wave of the future in safety bollards, made out of recycled materials that can reduce damage to cars and property.

MAIN FEATURES

Unlike concrete or plastic, which require frequent replacement, recycled rubber bollards are safer and more durable. Painted, highly-reflective fields ensure visibility and pedestrian safety. Tigar Bilgu Bollards are constructed of 100% recycled rubber.

Recycled-rubber bollards come with pre-molded holes and can be shipped directly to the customer. They are lightweight (14, 24 kg or 35 kg) and can be easily installed by one person. Designed to withstand extreme temperature variation, Tigar Bilgu Bollards are resistant to moisture, oil, and ultraviolet light. They will not warp, crack, chip, or rot.

Tigar Bilgu Bollards are covered by a 3 year warranty, based on Tigar's Terms and Conditions.

COMPONENTS:

- a) 100% recycled rubber - from car and truck tires (NR, SBR)
- b) Polyurethane prepolymer for rubber granules
- c) Metal material needed for installation

CHARACTERISTICS:

- Lightweight, uniform units
- 100% recycled rubber from tires
- Durable design
- Superior construction ensures no warping, cracking, chipping or rotting
- Resistant to UV rays, moisture, oil and extreme temperature variations

BENEFITS:

- Highly visible
- Temporary or permanent installation
- Extremely durable
- Consistent dimensions
- Low maintenance
- Quick and easy installation
- Saves labor costs
- Environmentally friendly

RECOMMENDED LOCATIONS:

- Protected parking space
- Public locations
- Pedestrian crossings
- Pedestrian walkways



Made out of recycled materials that can reduce damage to cars and property



DIMENSIONS

Product name, height	Weight (kg)
PUL16G Ø16 - Green bollards, rubber, 80 cm	14
PUL16R Ø16 - Red bollards, rubber, 80 cm	14
PUL16S Ø16 - Black bollards, rubber, 80 cm	14
PUL25G Ø25 - Green bollards, rubber, 80 cm	35
PUL25R Ø25 - Red bollards, rubber, 80 cm	35
PUL25S Ø25 - Black bollards, rubber, 80 cm	35
PUL25HS Ø25 - Black bollards, rubber with hole, 80 cm	35
Square bollards 22x22/16x16, H=80cm	24
Little bollards Ø 8x40cm	4.6

INSTALLATION GUIDE

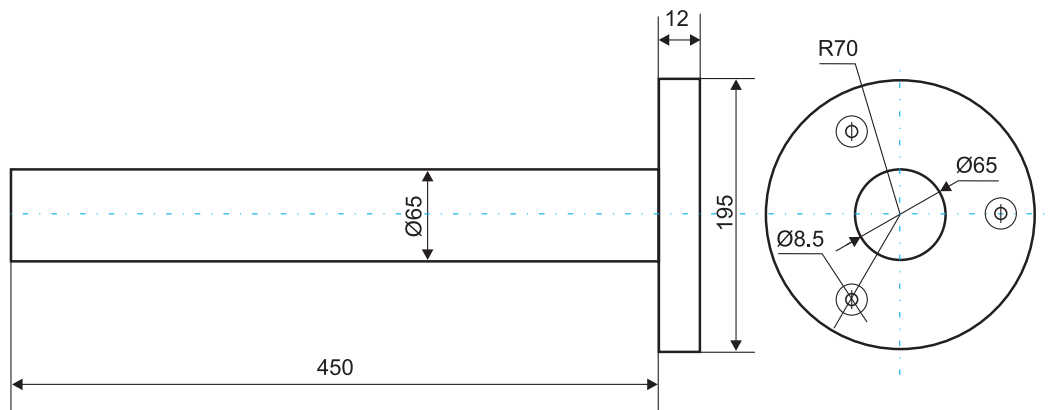
Components:

- Tigar Bilgu Bollards
- Metal parts are not included; they need to be provided by the customer

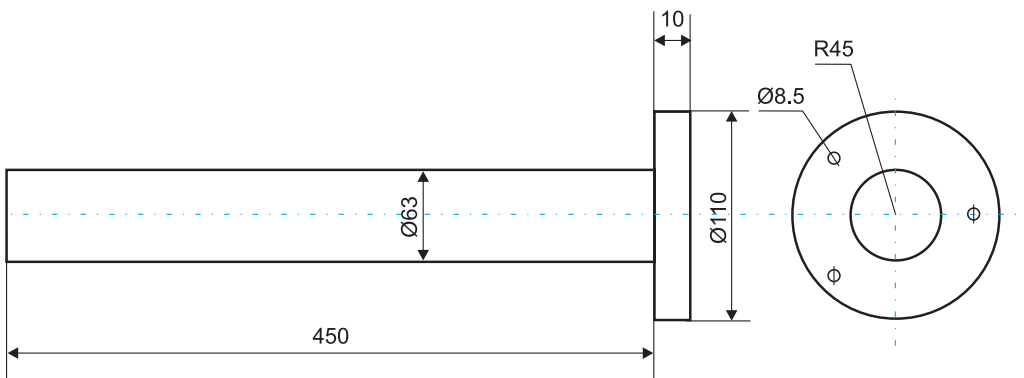
What You Need

- Gloves, goggles
- Traffic cones, drums or barricades for securing the site
- Helmet/hard hat
- Heavy-duty electric drill
- 10mm masonry bit and, if installed with the lag bolts, a masonry bit for the metal shields (see side of shield for bit size)
- Drive socket and power tool for installation of lag bolts

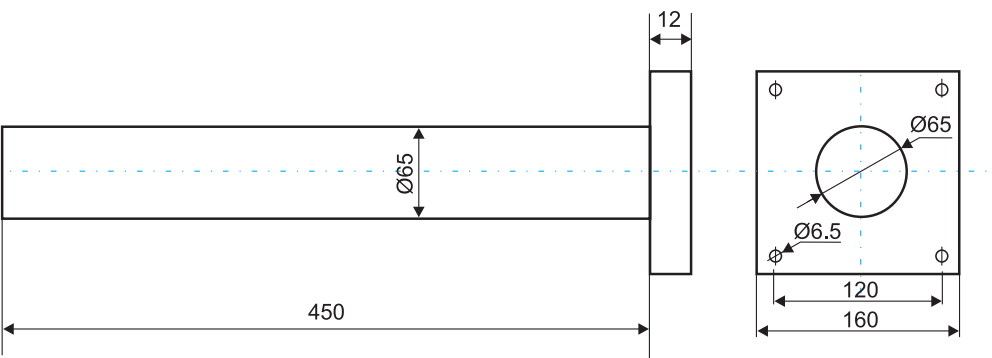
INSTALLATION OF TIGAR BILGU BOLLARDS WITH LAG BOLTS, METAL SHIELDS AND METAL TUBES



For PUL25R Ø25 – Red, green, black bollards, rubber, 80 cm
Metal tube, M8x30, DIN7676C, 3 off



For PUL16S Ø16 – Black, red, green bollards, rubber, 80 cm
Metal tube, M8x30, DIN7676C, 3 off



For Square Bollards 22x22/16x16, H=80cm
Metal tube, M8x30, DIN7676C, 4 off

For Little Bollards, bolt M8x30, DIN7676C,
and plugs, 4 off

Maintenance

Tigar Bilgu Bollards require minimal maintenance.
Periodically inspect bolts and tighten if necessary.



CHOOSING RUBBER OVER CONCRETE

Rubber

Rubber Bollard

- 100% Rubber
- Light weight
- Uniformly made
- Installation by one person
- Available in different colours (black, green, red)
- Colour paint ensures maximum reflexivity

Installation

- 2-3 minutes
- 5-6 minutes

Equipment

- Jackhammer or air-driven hammer

Transportation

- Shipped directly from warehouse
- Pick-up truck (may hold many units)

Replacement costs

- Does not break
- Choose number of units required (1-100)
- No restrictions by distributor on delivery
- No replacement costs

Safety Hazards

- None

Environment

- Promotes the awareness of recycling & its importance for future generations
- Enhances your corporate image of being environmentally conscious
- Easily removed and stored for snow removal
- Offers a smart alternative

Concrete

Concrete Bollard

- May contain gravel/rebar
- Extremely heavy
- Not uniformly made
- Installation by 3-4 people
- Generally not painted (99% of the time)
- Various shades of gray

Installation

- At least double the installation time due to weight and handling restrictions

Equipment

- Jackhammer
- Forklift, flatbed or van

Transportation

- Shipped from manufacturer (shipment costs may be included in the price)
- Shipped to site by distributor (shipment costs may be included in price)

Replacement costs

- Breaks, cracks, and chips
- Distributor will not bother with small deliveries
- Long distances due to weight, size and equipment necessary to load
- High replacement costs

Safety Hazards

- Risk of personal injury; dangerous & unsafe
- Workman's compensation
- No protection for owner's vehicles

Environment

- Not recyclable
- Where do you discard old concrete blocks?
- Not applicable
- Not removable or easily moved

TIGAR P-STOP



The safest,
smartest parking device
to protect your car!



Visit us online at: www.eltimeng.com



FEATURES

The Tigar P-Stop parking curb is used to effectively guide cars when pulling into a parking stall. It is profiled at 16 cm high, preventing potential damage to today's low, front-end car designs.

Main Features

Unlike concrete or plastic, which require frequent replacement, recycled-rubber car stops are safer and more durable. Painted, highly reflective fields ensure visibility and pedestrian safety. The Tigar P-Stop is constructed of 100% recycled rubber.

The recycled-rubber parking curbs come with pre-molded holes. They are lightweight (16 kg or 21 kg) and can be easily installed by one person. Their flexible design conforms to the contour of uneven road surfaces. Designed to withstand extreme temperature variations, the car stops are resistant to moisture, oil, and ultraviolet light. They will not warp, crack, chip, or rot. P-stop curbs are available in 90 cm and 115 cm lengths, with reflective coloured fields painted directly at the factory. Available in yellow or white.

Car stops are covered by a 3-year warranty, based on Tigar's Terms & Conditions.

Components:

- a) 100% recycled rubber - from car and truck tires (NR, SBR)
- b) Polyurethane prepolymer for rubber granules
- c) Yellow or white coloured fields (or other colour, as per customer request)

Characteristics:

- Light-reflective colour, per customer request
- Light-weight, uniform units
- 100% recycled rubber from tires
- Durable design
- Superior construction ensures no warping, cracking, chipping or rotting
- Flexible, conforms to any road surface
- Resistant to UV rays, moisture, oil and extreme temperature variations

Benefits:

- Highly visible
- Temporary or permanent installation
- Extremely durable
- Consistent dimensions
- Low maintenance
- Quick and easy installation
- Saves labor costs
- Environmentally friendly

Recommended locations:

- Surface parking lots
- Multi-level parking lots
- Reduced parking space
- Traffic routing
- Traffic separator bar



The Tigar P-Stop parking curb is used to effectively guide cars when pulling into a parking stall.



DIMENSIONS AND WEIGHT

Tigar P-Stop Parking Curb Dimensions		Weight (kg)
Tigar P-Stop Parking Curb 90	H 12 x B 26 x L 90	16
Tigar P-Stop Parking Curb 115	H 12 x B 26 x L 115	21

Tigar P-Stop Parking Curb Installation: 3 attachment points.

INSTALLATION GUIDE

Components

- Tigar P-Stop parking curb
- M8x120 (DIN912, ISO4762), 3 off for either size (90 and 115)

What You Need

- Gloves, goggles
- Traffic cones, drums or barricades for securing the site
- Helmet/hard hat
- Heavy-duty electric drill
- 10mm masonry bit and, if installed with lag bolts, a masonry bit for metal shields (see side of shield for bit size)
- Drive socket and power tool for installation of lag bolts
- The flexible design of the parking curb allows it to conform to the contour of uneven roads surfaces and can be installed on both asphalt and concrete

Installation of Tigar P-Stop parking curb with lag bolts and metal shields

Step 1

Use M8x120 (DIN912 and ISO4762) lag bolts and metal shields.

Step 2

Drill 10mm diameter pilot holes (30-40mm in depth) through the product's installation holes.

Step 3

Remove the product; re-drill the holes to metal shield diameter and depth.

Step 4

Install the metal shields, re-position the product and secure with lag bolts.



Maintenance

Tigar P-Stop parking curbs require minimal maintenance. Periodically inspect the bolts and tighten if necessary.

CHOOSING RUBBER OVER CONCRETE

- 100% Rubber

Rubber

Rubber Wheel Stop

- 100% Rubber
- 21-16kg
- Uniformly made
- Installation by one person
- Colors available (black, green, red)
- Colour paint ensures maximum reflexivity

Installation

- 2-3 minutes

Equipment

- Jackhammer or air-driven hammer

Transportation

- Shipped directly from warehouse
- Pick-up truck (may hold many units)

Replacement costs

- Does not break
- Choose the number of units required (1-100)
- No restrictions by distributor on delivery
- No replacement costs

Safety Hazards

- None

Environment

- Promote the awareness of recycling & its importance for our future generations
- Enhance your corporate image of being environmentally conscious
- Offers a smart alternative
- Easily removed and stored for snow removal

Concrete

Concrete Wheel Stop

- May contain gravel or rebar
- 80kg
- Not uniformly made
- Requires installation by 3-4 people
- Generally not painted (99% of the time)
- Various shades of gray
- Not available
- 2x14" rebar spikes

Installation

- At least double the installation time due to weight and handling restrictions

Equipment

- Jackhammer
- Forklift, flatbed or van

Transportation

- Shipment is very difficult

Replacement costs

- Breaks, cracks, and chips
- Distributor will not bother with small deliveries
- Long distances due to weight, size and equipment necessary to load
- High replacement costs

Safety Hazards

- High probability of personal injury; dangerous & unsafe
- Workman's compensation
- No protection for owner's vehicle

Environment

- Not recyclable
- Where do you discard old concrete blocks?
- Not applicable
- Not removable or not easily moved