완충형카스토퍼
JAUTO

J Auto



introduce
a next generation

Car wheel stopper

- J Auto car wheel stopper is **opening up the next generation of high-standard car parking**, with focusing on **driver's comfort/safety**, **waste-free environment and 10+ years product life**.
- J Auto provides **incomparable advantages over conventional block-type car stoppers** to both drivers & parking operators.



Smooth/comfortable parking feel to car drivers, especially for elderly, women, handicapped drivers.

Clean and waste-free parking lot facility to parking operators



J Auto



Money saving economic parking lot solution to both public/commercial parking operators and private home residents

Maintenance-free / no repair cost during every 10-year period with long-lasting product life by using premium materials and unique process.



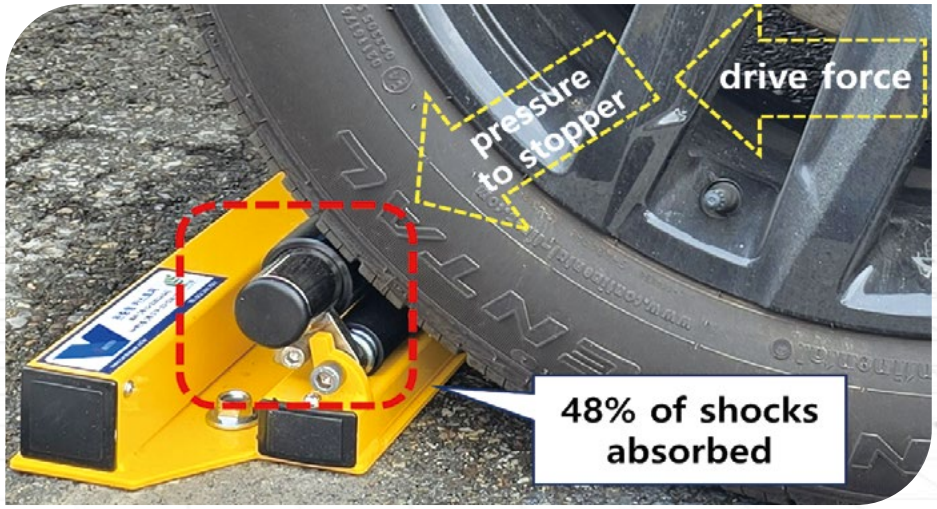
01 | Problems of conventional block-type Car Wheel Stoppers



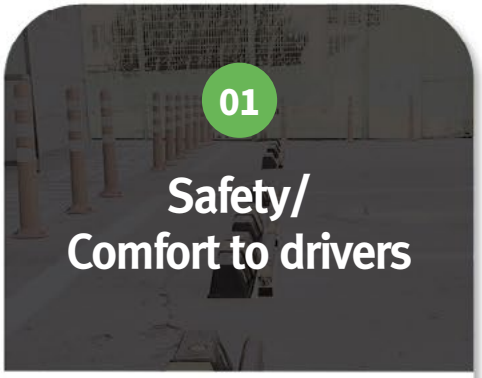



- Block-type stopper could be easily broken, damaged or detached from the floor as it's **made of plastic/rubber/concrete and has NO buffer movement** itself.
- Repeated parking drives hit parking blocks **100% directly and bring about fast crack, breakage or damage** of the parking blocks

- Drivers get **uncomfortable feeling or even minor physical damage** during their parking movement, especially for elderly, women and handicapped drivers.
- Current plastics/rubber made parking blocks have very short product life and cause considerable amount of repair/maintenance cost and **environmental waste disposal problems.**



02 | Key features of J Auto Car Wheel Stopper



01 Safety/ Comfort to drivers

Soft / Comfortable feel during parking move.

Buffer-type stopper (NOT block-type) allows smooth and safe parking

Buffer function reduces shock / damage from hitting parking block by more than 40%



02 ESG-fulfilled clean facilities

No waste / environmental problem

Made of all recyclable material (steel/stainless/pe) with long lasting e-coat+powder-coating process

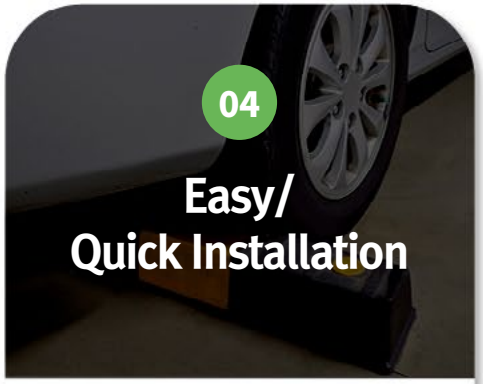
Various color option available



03 Money saving solution for parking operators

10 years min. product life guaranteed with no repair / maintenance cost

Economic parking lot solution with saving by 40% of total money spending during every 10-year time frame.



04 Easy/ Quick Installation

Drilling holes
Bolt / Nut fixing

Additional premium bonding material used to make tight / strong hold into asphalt floor

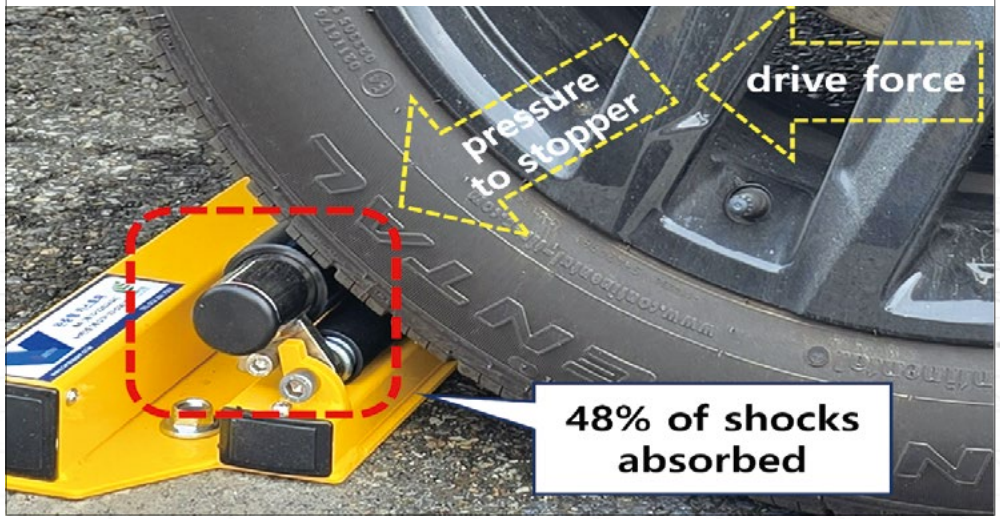
03 | Test report on shock-absorption / product life / materials (I)

- **The product testing was officially conducted to show the difference between J Auto buffer-type and a typical block-type stopper at the market.**
- **The test was carried out by KTR (Korea Test & Research Institute), a state-run national product test center in South Korea**

TBK-2022-007328 Test report on shock absorption (* Shock reduced by 48%)

Block type	J Auto Buffer type
100% shock delivered to driver as direct hitting to block	Buffering provides 48% shock absorption





03 | Test report on shock-absorption / product life / materials (II)

10-year product life test

Assumption	Test	Criteria	Product	Final result
Every Car Stopper would be hit by 100 times of parking / day, 36,500 times of parking / year, 365,000 times of parking in 10 years	Fatigue testing	there should be no crack / breakage after 500,000 fatigue tests	J Auto	NO crack / breakage happened
			Other	Crack starts at 100,000 tests

Test report summary (TBK-2021-003989)

Item	Before test	Under testing	After 500,000 tests
J Auto Buffer-type			

Item	Before test	Under testing	After 10,000 tests and test stopped
Other Block-type			

Durability inspection of materials used

Item	Other Block-type	J Auto Buffer-type
Materials	- Synthetic rubber - Synthetic plastic	Steel (SRT275) Stainless (STS304)
Tensile strength (MPa=N/mm²)	11.75 MPa	- SRT275 489 N/mm² - STS304 750 N/mm²
Breaking load (KN)	9.8 KN	34.5 KN

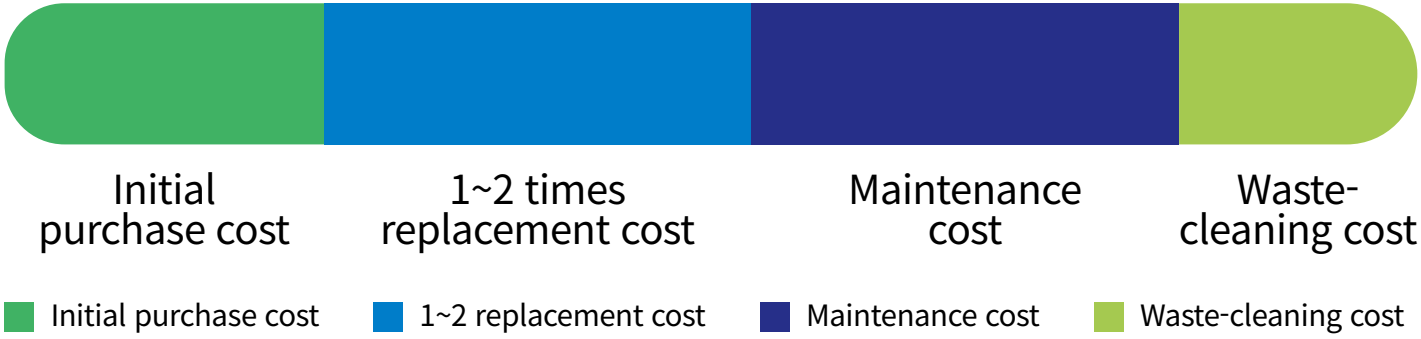
04 | Investment / Cost comparison

J Auto (buffer-type) vs Others (block-type)

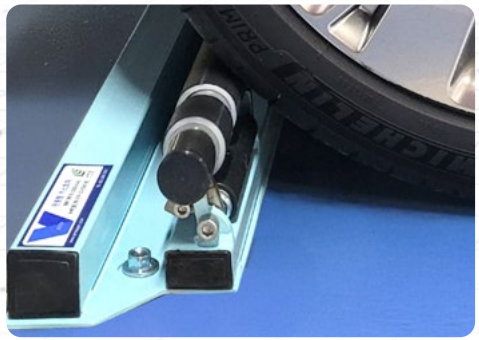
※ Total cost estimation incurred during 10-year budget period

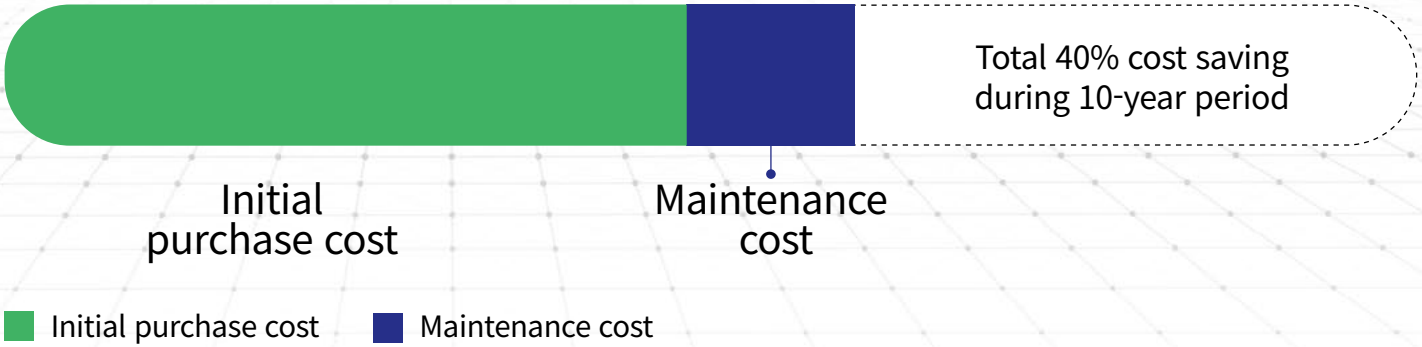
Typical Block-type





J Auto Buffer type





05 | Easy & quick installation at private / public parking lots



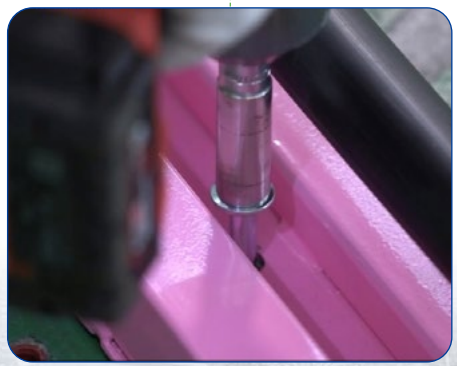
01 Marking



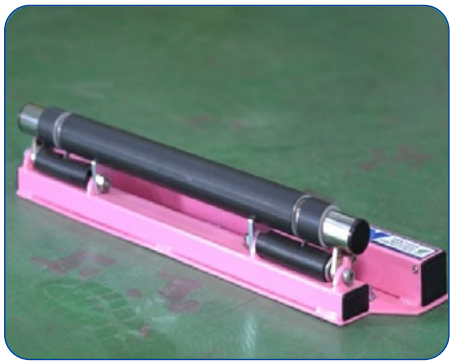
02 Drilling holes



03 Stopper mark placed



04 Bolt/Nut fixing



05 Installed

06 | J Auto Car Wheel Stoppers already welcomed by numerous parking lots and many drivers in South Korea (I)



High School parking



Fire station



Government office



Sports stadium



Electric car charging station



National park

06 | J Auto Car Wheel Stoppers already welcomed by numerous parking lots and many drivers in South Korea (II)



Local government guest parking



Corporate office parking



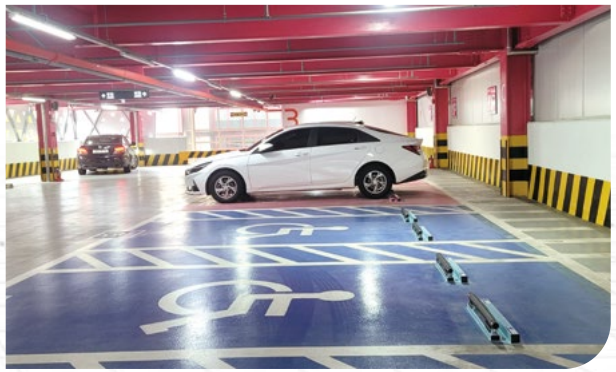
Tourist attraction parking area



Expressway rest area



Heavy truck parking lot



Shopping center parking

07 | J Auto product specification by model

Passenger car
sedan/suv/van/light truck

PB 100



PL 300



COLOR	
SIZE	770 X 160 X 115 mm

Commercial car
Medium/Heavy Truck/Bus/Trailers

CB 100



CL 300



COLOR	
SIZE	1140 X 250 X 180 mm

for Special model & Off-road vehicle

SD 100



COLOR	
SIZE	750 X 230 X 115 mm

SB 300



COLOR	
SIZE	830 X 170 X 115 mm

* Model PL300 / CL300 : Solar LED light attached (recommended at outdoor paking)

08 | Patents / Certificates and Production capacity

Patent registration

- Subject : “Buffer-type car wheel stopper”
- Patent registered in Korea
- Patent pending in Japan
- Patent pending in US
- Patent pending in EU

Certificates

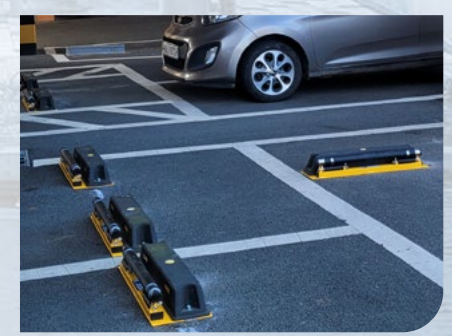
- “ **Green Tech Product** ”
  by Ministry of Land &Transportation, Korea
- **“Good Design Selection ”**
  by Korea Industrial Design Promotion Agency, Korea
- “ **Excellent product** ”
  as preferred list for Gov’t procurement/certification

Production Capacity

- 40,000 units/month
- 480,000 units/year
- Product warranty for 2years
  (* certain limitations apply)







09 | J Auto management profile



K. S. Jeon

CEO
CTO

- Mechanical Engineering major at Busan College
- 27 years of mechanical design and factory automation business.
- Chief engineer for Engineering/design of Shipbuilding components at Hyundai.
- Carried Factory Automation engineering at Hyundai motor company



W. H. Jeon

Vice President
Production, R&D

- Electrical Engineering major at Ulsan College
- 25 years of experience in FA system control design.
- Carried factory automation PLC project of Hyundai Motor
- Served as R&D director at Wonjin Tech
- Head of J Auto/Production and R&D center



Y. S. Lee

Director
Global Marketing

- Mechanical Engineering B.S, Seoul National Univ
- MBA, University of Washington, USA
- Served 25 years in global business (technology, auto components, machinery sales) at Samsung, Hanwha group.
- Held successful CEO positions of Korean manufacturing companies focusing on global marketing in mechanical, chemical and automotive components industry.
- Proven business capability in Product sales, Technology transfer and J/V partnership

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