

KOMAC

Tilt Rotators

www.komac.co.kr



**More Than Your
Imagination!**

What is a tilt rotator?

A device that plays the role of the human wrist

360° rotation

45° slope, both left and right

Easy detachment/attachment

Durability of good quality

45°

45°

360°



Duct line work



Railroads



Highways



Architecture



Landscape
architecture



Electricity



Increase in profit
Work efficiency

KOMAC TILT ROTATOR

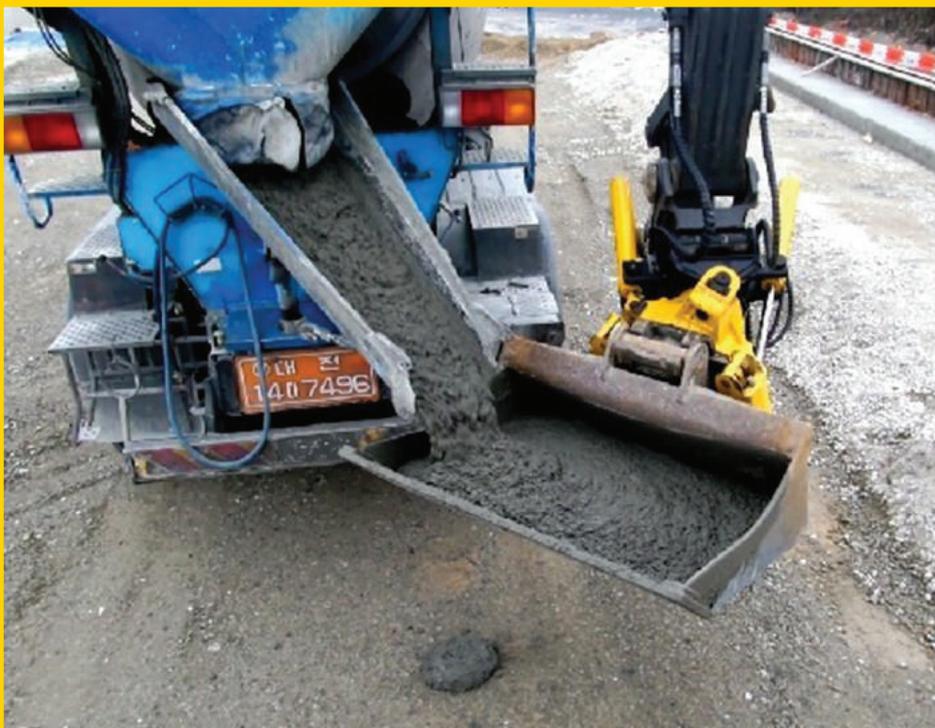
Time-saving
Cost-saving



- 30% higher cost effectiveness compared to the use of the existing equipment
- 30% per hour = USD 17.1 worth of savings
- 8 hours of work per day = USD 137.5 worth of savings
- 1,800 hours of work per year = USD 24,750 worth of savings

TILT ROTATOR

Use of a tilt rotator



Placing ready-mixed concrete



Tongs work



Gripping





Forklift working



Excavation for a duct line



Working on the edge



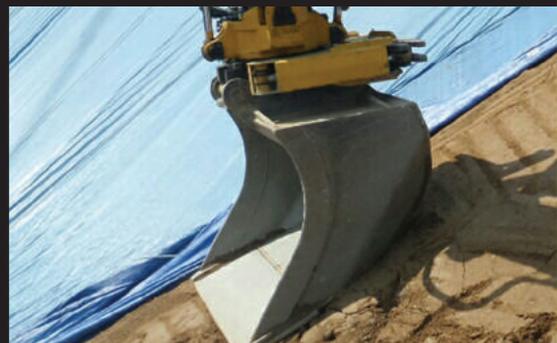
Working on manholes



Brushing



Core drilling



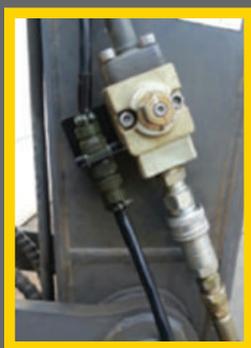
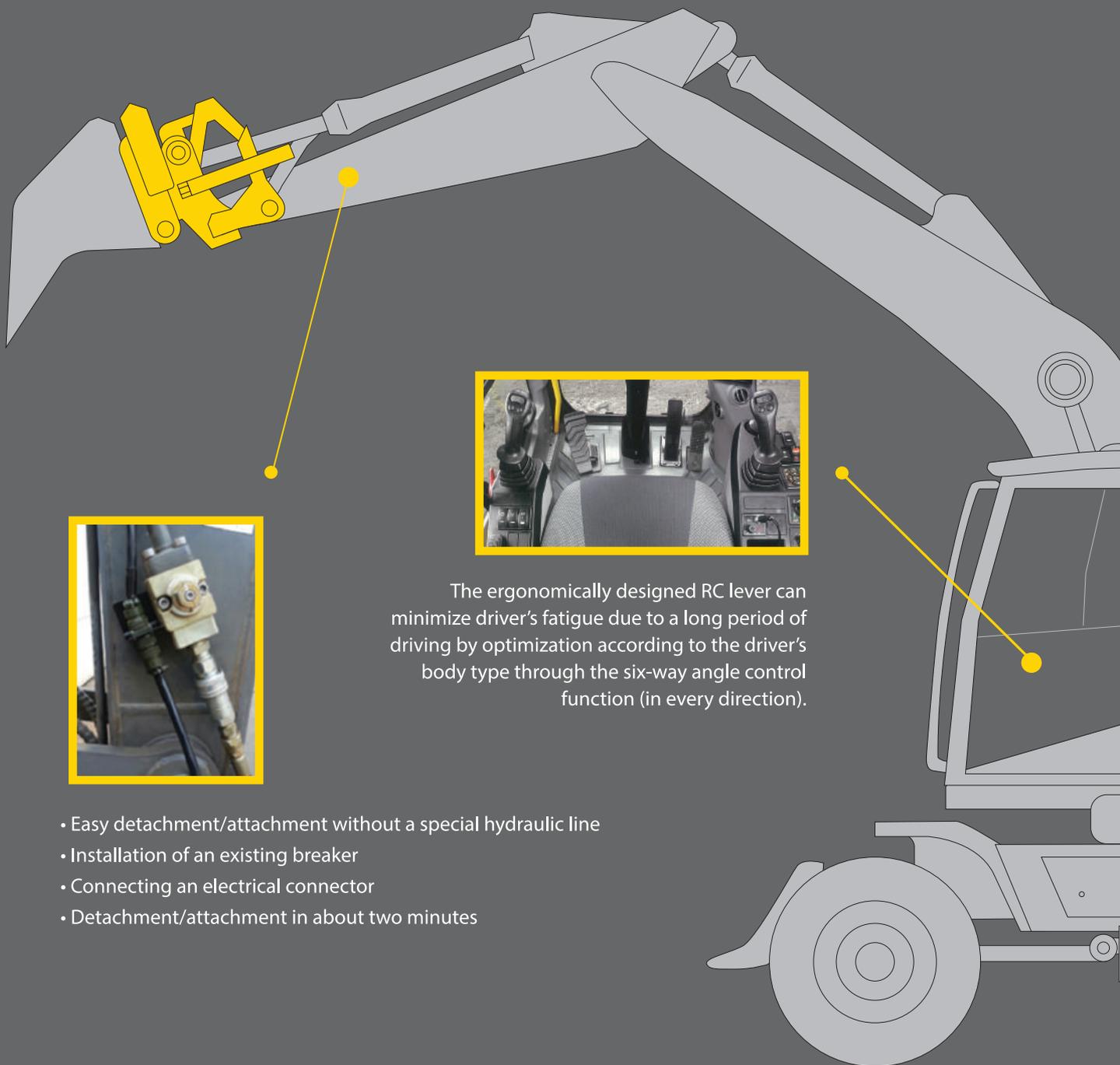
Working on the face of the slope



Working on the electrical cord and puddle

TILT ROTATOR

Installation of a tilt rotator



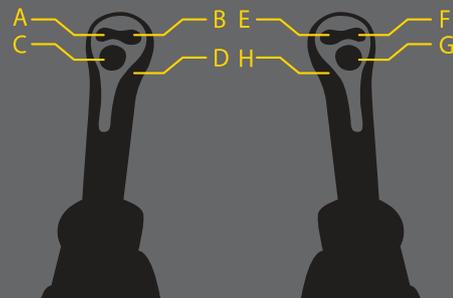
The ergonomically designed RC lever can minimize driver's fatigue due to a long period of driving by optimization according to the driver's body type through the six-way angle control function (in every direction).

- Easy detachment/attachment without a special hydraulic line
- Installation of an existing breaker
- Connecting an electrical connector
- Detachment/attachment in about two minutes



Tilt rotator control system (24 V, 12 V)

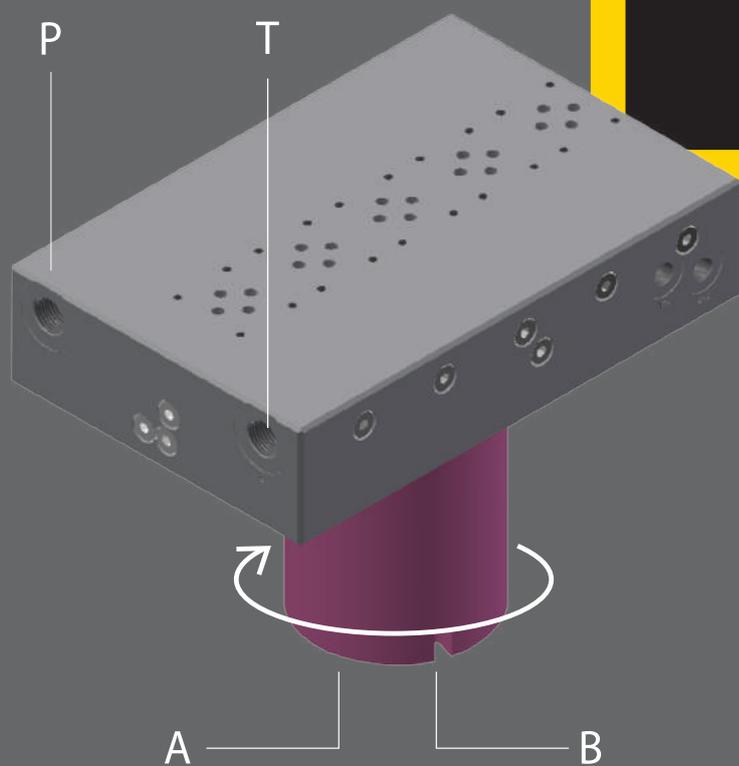
How to operate the joystick



- A**  Left turn
- B**  Right turn
- C**  Klaxon (optional)
- D**  Grip loosener
- E**  45° left
- F**  45° right
- G**  Quick clamp (optional)
- H**  Tightening grip

TILT ROTATOR

Tilt rotator hydraulic system



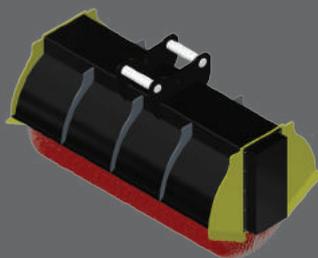
Central hydraulic block system of the rotator

Reserved line separate volume of water, 45 L

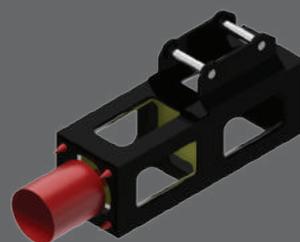
A separate hydraulic device can be used.



Tongs



Brush

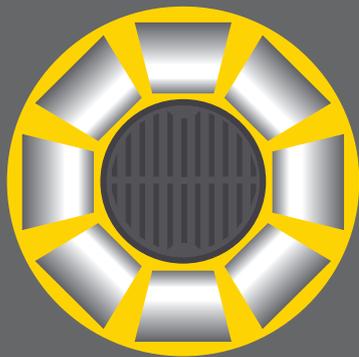


Core

TILT ROTATOR

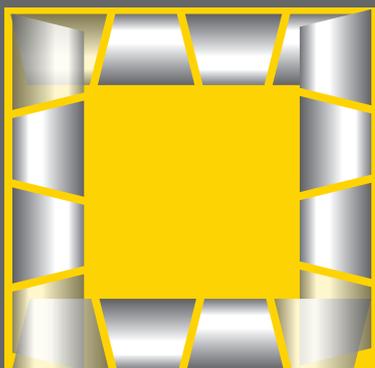
Comparison of work by a tilt rotator

When a tilt rotator is in use



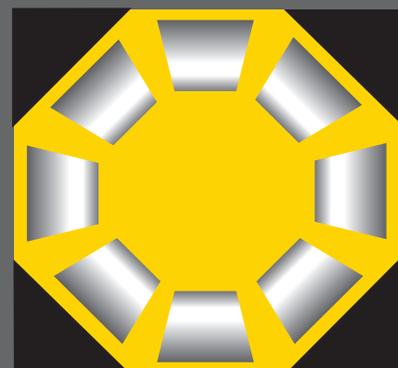
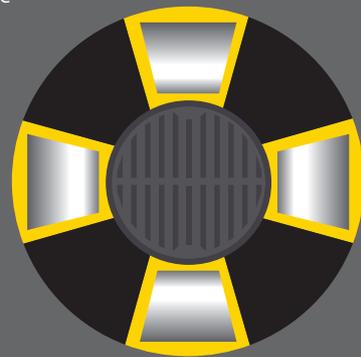
 Working available
 Working unavailable

Excavation for manholes



Excavation for buildings

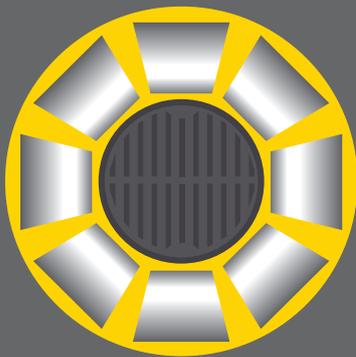
General excavator



TILT ROTATOR

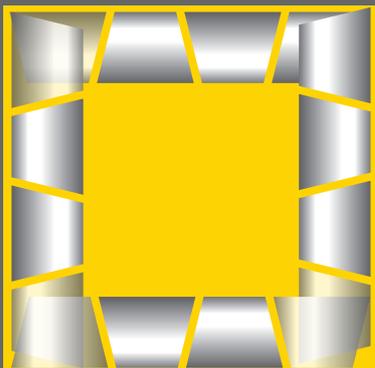
Comparison of work by a tilt rotator

When a tilt rotator is in use



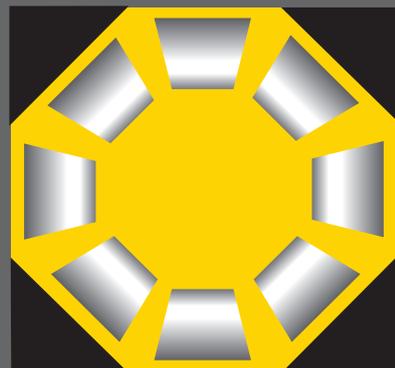
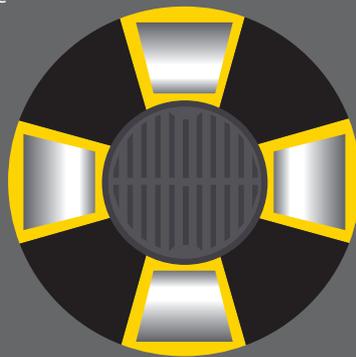
 Working available
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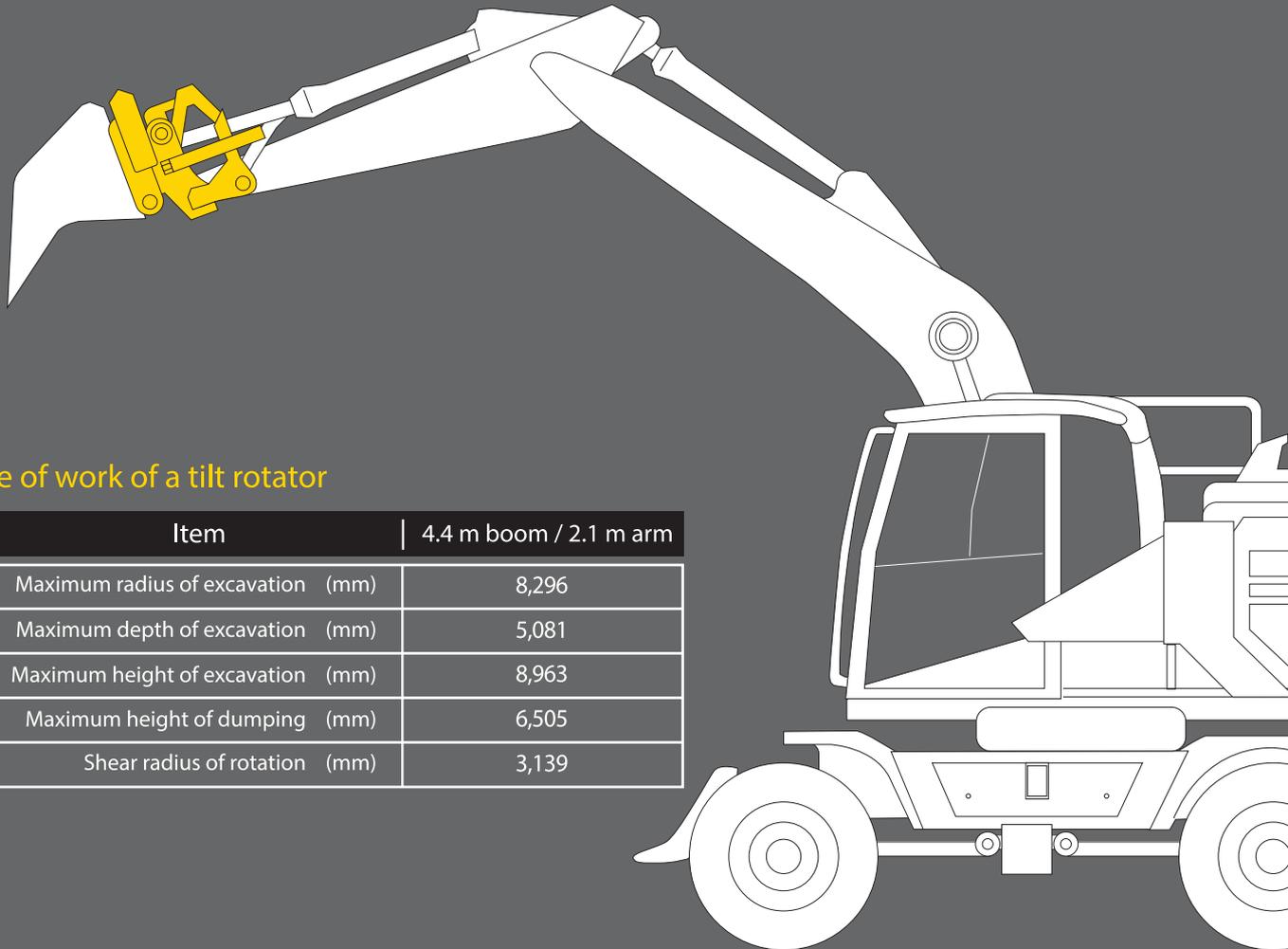
Excavation for manholes



Excavation for buildings

General excavator





Scope of work of a tilt rotator

	Item	4.4 m boom / 2.1 m arm
A	Maximum radius of excavation (mm)	8,296
B	Maximum depth of excavation (mm)	5,081
C	Maximum height of excavation (mm)	8,963
D	Maximum height of dumping (mm)	6,505
E	Shear radius of rotation (mm)	3,139

Domestic standard installation of an excavator vehicle

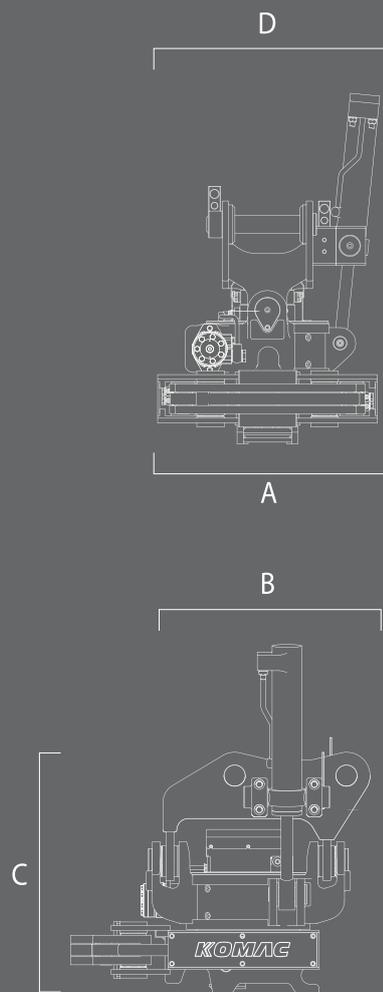
	TR - 30 (5t)		TR - 60 (13t)	
Classification	Using tires	Caterpillar	Using tires	Caterpillar
DOOSAN	DX55W	DX55	DX140W	DX140LC
HYUNDAI	R55W	R55W-9	R140W-9	R140LC-9
VOLVO	EC60CW	EC55C	EW-145B	DX55W
CAT	DX55W	DX55W	DX55W	DX55W

Installation for both third- and sixth-grade vehicles available

TILT ROTATOR

Types of tilt rotator

Third-grade

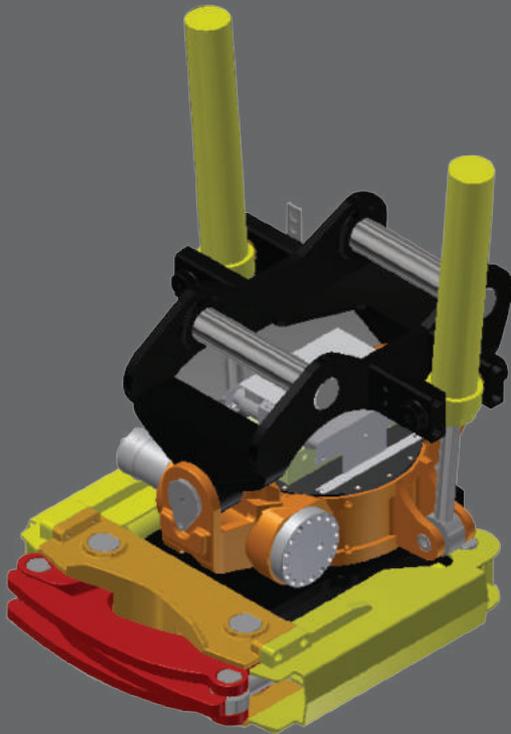


Installation of an existing bucket available
 Installation available after removing
 the existing link

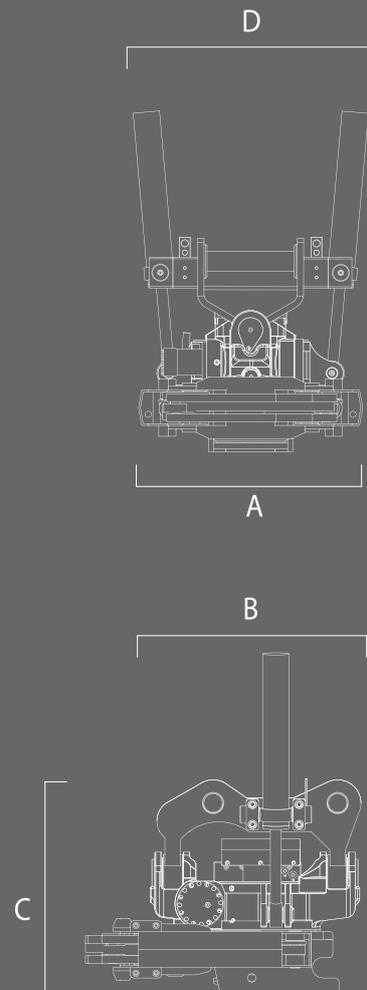
Size of and information about the technology

A) Width[mm]	(450)
B) [mm]	(600)
C) Total height [mm]	(480)
D) Cylinder width	(480)
Weight [Kg]	(230)
Recommended machine weight [ton]	5 t
Maximum slope angle	45°
Lubricating grease for gears	

Sixth-grade



Installation available after removing
the existing link



Size of and information about the technology

A) Width[mm]	(726)
B) [mm]	(800)
C) Total height [mm]	(535)
D) Cylinder width	(750)
Weight [Kg]	(520)
Recommended machine weight [ton]	15 t
Maximum slope angle	45°
Lubricating grease for gears	

TILT ROTATOR

Options for a tilt rotator



Standard bucket



Standard tooth bucket



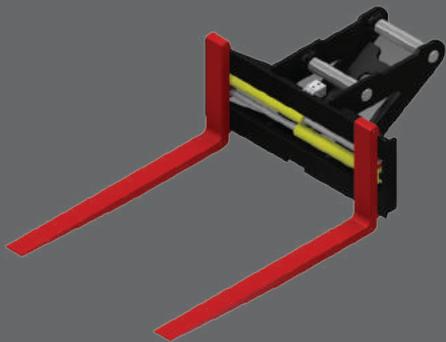
Exclusive bucket



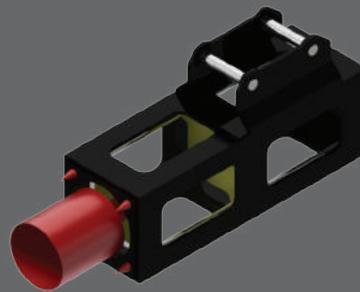
Narrow tooth bucket



Narrow bucket



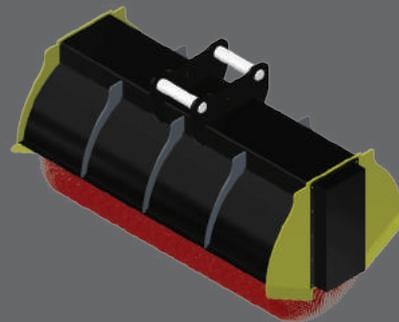
Hydraulic forklift



Core



Asphalt ripper cutter



Brush

As there are various options available for the tilt rotator, work in the job site becomes more efficient.

As a company of innovation, we will manufacture high-quality products.

KOMAC Co., Ltd. has developed a tilt rotator through unlimited challenge and consistent R & D to improve the current inefficient work process.

With the tilt rotator, we take efficiency, safety, and economic aspect into account for all working environments, and we will do our best to develop innovative working devices that you would consult first in the field to become your partner.

The logo for KOMAC, featuring the word "KOMAC" in a bold, italicized, sans-serif font. The letters are white with a black outline, set against a black rectangular background. A thin yellow horizontal line is positioned directly below the black background.

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