

Toyota Kohki Co., Ltd., Tokyo, 183-0035 Japan

Precast concrete roadside drain in Japan

Toyota Kohki Co., Ltd., is a skilled, high tech, technical and precision precast concrete mold manufacturer. They are able to meet the demands of complex and diverse precast concrete products used at Japanese civil engineering jobsites on a daily basis. With their cultivated know-how, skills, and experience, Toyota Kohki has been the leader in Japan and offer durable and precise molds to their customers. The following is an example of a wet cast concrete mold designed and manufactured by Toyota Kohki.

Roadside drains are still in great demand in Japan. Especially the U-shaped design, Japan Industrial Standard (JIS) products have been used widely for many years. However, integral lid style roadside drains were designed and started being used about 25 years ago and now occupy a large portion of the market. The special feature of the drainage product is the shape of the inner core. There are several designs such as Oval-shaped, rectangular-shaped, heart-shaped and egg-shaped drains.

The egg-shaped drains is one of the most commonly used products throughout Japan. The egg-shape is considered the best shape

for water flow to let waste and debris in drains flow evenly with minimal amount of rainfall. The egg-shaped drains have developed into many various types. An example of the product is "Slit type". This design has a slit on the top slab of the product to gather drainage on the road. Another example is a "Permeable Pavement type" which is constructed under the coarse aggregated asphalt pavement.

It was 25 years ago that this shape of the drainage products began to be able to be manufactured with high productivity using a wet cast concrete molds. Toyota Kohki made this possible by innovating the "one

touch" collapsible inner core (See Fig 5.), and spread the egg-shaped drains all over Japan. The shape of the concrete product becomes more and more complicated due to the market needs. To meet the needs mold technology is getting more important. Moreover, precast concrete manufacturers are expected not only to just manufacture the products but also to enhance the productivity and the quality. The role of mold manufacturers has become crucial for the advancement of concrete product.

Since its establishment in 1966, Toyota Kohki, a mold and plant equipment designer and manufacturer for precast concrete has



Fig 1: Egg-shaped roadside drain products



Fig 2: Products at stockyard



Fig 3: Construction site



Fig 4: Completion of construction

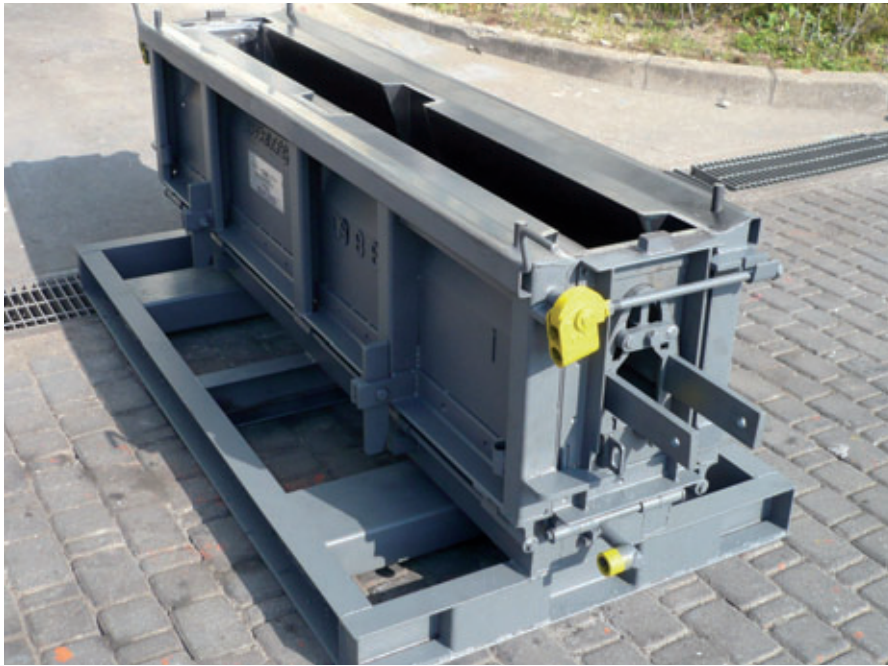


Fig 5: Mold for the egg-shaped roadside drains

been contributing to the development of the precast concrete industry in Japan as the leading mold manufacturer.

The water tight, high durability, high productivity, and easy-use designs of Toyota Kohki molds gain trusts and a positive

reputation from customers not only in Japan but around the world.

Toyota Kohki will exhibit at Bauma 2010, held in Munich, Germany during April 19-25, 2010. The egg-shaped drain and other molds will be exhibited at booth stand number C1.512. You can also see a movie of Toyota Kohki at www.cpi-tv.com (Go to "precast concrete" box and find "Toyota Kohki").

FURTHER INFORMATION



Toyota Kohki Co., Ltd.
6-12-8 Yotsuya Fuchu-shi, Tokio, 183-0035 Japan
T +81 42 3666011
F +81 42 3642530
info@toyotaforms.com
www.toyotaforms.com

TOYOTA FORMS

The Best Solution for Precast Concrete Molds



Who we are

- » Mold manufacturer for wet cast concrete products
- » 45 years in business

Let us help you with

- » One-touch system for stripping and setting
- » Real durable molds
- » High precision mold design
- » More efficiency and productivity
- » Lowering your total cost

We will exhibit at BAUMA 2010

TOYOTA KOHKI CO., LTD. (JAPAN)

Agent Wanted!!

6-12-8 Yotsuya Fuchu-shi, Tokyo 183-0035, Japan Tel: +81-42-366-6011 Fax: +81-42-364-2530 Web: <http://www.toyotaforms.com> Contact: info@toyotaforms.com

