

## Krauss Tank 0-4-0



IYO Railway / Krauss tank locomotive

Lokomotivfabrik Krauss & Comp. was founded in Munich Germany in 1866 by Georg von Krauss. In 1931 Krauss merged with Maffei and became Krauss-Maffei which was the prime locomotive builder for the Bavarian State Railways.

The first two Krauss tank locomotives were imported to Japan in 1888 by the Iyo Railway located in Matsuyama on Shikoku Island in Southwestern Japan. Two more units were added later and kept in service until 1954. Several other Railways also purchased Krauss tank locomotives for their practical design and solid construction.

The Krauss tank engines are known in Japan as "Bochan train" after a famous novel written by Soseki Natsume more than 100 years ago. One of the original Krauss engines imported in 1888 is preserved on static display in Umezu-dera park owned by Iyo Railways (pictured below). In addition, two diesel powered "Bochan trains" manufactured by a Japanese company are now operating in Matsuyama on a daily bases pulling passenger coaches. Their popularity has become a important tourist attraction to the local community.

## Specifications

Scale/Gauge	1/21 G gauge
Weight	2.5kg
Length	300mm
Width	95.5mm
Height	150mm
Wheel Arrangement	0-4-0
Driving Wheel	41.5 mm
Axle Driven Pump	Bore 4 mm × Ram Stroke 6 mm
Cylinder	Bore 10 mm × Stroke 13 mm
Valve Gear	Stephenson's valve gear
Boiler Type	Center flue type
Water Capacity	88 cc ( at 80% full )

Boiler Fittings	SAFETY VALVES, PRESSURE GAUGE, WATER GAUGE with blow down valve, REGULATOR VALVE, BY-PASS VALVE
Lubricator	Roscoe displacement type
Water Tank Capacity	50cc
Fuel	Butane
Fuel Capacity	46cc
Minimum Radius	0.55m

