

Concrete Crusher - the genuine part for professionals

Egli

Concrete Crusher

Magnet

Bucket

Grapple

Hammer

Screener Crusher

Pile Driving Technology

Compactor Attachment

Surface Milling Machine

Binding Agent Spreader

Rock Cutter

Tiltrotator

Special

Hydraulics

OilQuick®

Rental Park



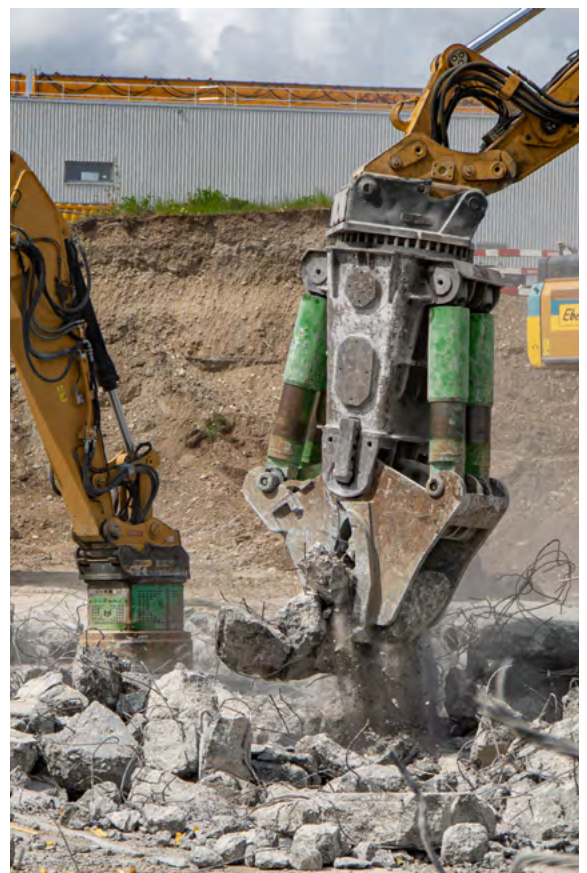


Premium Quality

- > More than 30 years of experience
- > Manufactured by Gebrüder Egli Maschinen AG
- > Components manufactured in Switzerland and Germany
- > Patented fully hydraulic jaw exchange system, operated from driver's cab
- > Jaw exchange in approx. 2 minutes*
(*Model 1.6, 2.8, 3.7 and 5.4)

Customer Advantage

While maintenance work is performed on your jaw, you may request the use of models from our rental park to bridge the gap.



Egli Betonbeisser - Innovation and quality at the highest level

Revolutionary in dismantling / demolition

The Egli concrete crusher consists of a body and five interchangeable jaws for various demolition tasks.
The following Egli concrete crusher sizes are available:

- XMB 0.9 for excavators from 8 to 15 tonnes
- XMB 1.6 for excavators from 15 to 25 tonnes
- XMB 2.8 for excavators from 18 to 30 tonnes
- XMB 3.7 for excavators from 30 to 50 tonnes
- XMB 5.4 for excavators from 45 to 85 tonnes

This concrete crusher revolutionises the previous dismantling concept.

concept: One work step can be saved!

► Demolition concept earlier:

- 1st use of demolition shears
- 2nd use pulveriser

► 1989 Invention by Thomas Ostermeyer

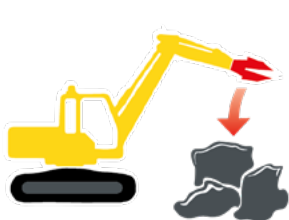
Demolition: breaking and cutting at the same time

For the optimum jaw, the shape of the bionic jaw was adapted from nature. This enables simultaneous breaking and cutting simultaneously as well as short cutting of the reinforcement possible on all three sides.



Previous demolition concept

1. Demolition

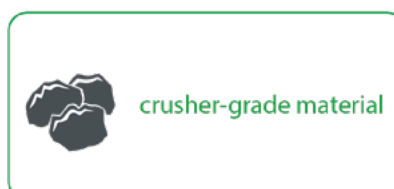


2. Pulverising



Dismantling today with the Egli concrete crusher

Breaking and cutting at the same time



The features at a glance - Powerful performance with high yield

Design

The shear-body is designed to protect all the technical mechanisms and functions:

- Integrated oil management
- Exchange hydraulics with safety circuit
- slewing drive with reduction gear and automatic disengagement under load
- Choice of jaws: bionic, tripod, multicut, steel or pulverizer

Multiple Jaw Function

- > Box jaw in bionic form (see illustration)
- > Foundation crusher in TriPod form
- > Multicut jaw
- > Steel jaw
- > Pulverizing jaw

Power Pack

- > Completely protected hydraulic cylinders
- > Speed function for opening and closing
- > Slewing gear disconnected during the crushing action under load
- > Overload protection for the slewing gear
- > Retightening of the exchanger bolts after each bite

Fully Hydraulic Jaw Exchange in approx. 2 Minutes

During demolition and dismantling work, the operator repeatedly encounters a variety of materials and dimensions which require different jaws. When using these crusher jaws only the jaw has to be exchanged which can be carried out without leaving the driver's cab.

Reduced Wear Costs

Thanks to the correct jaw for every job

Material Suitable for the Breaker

Steel cut to length, no further processing by the breaker required

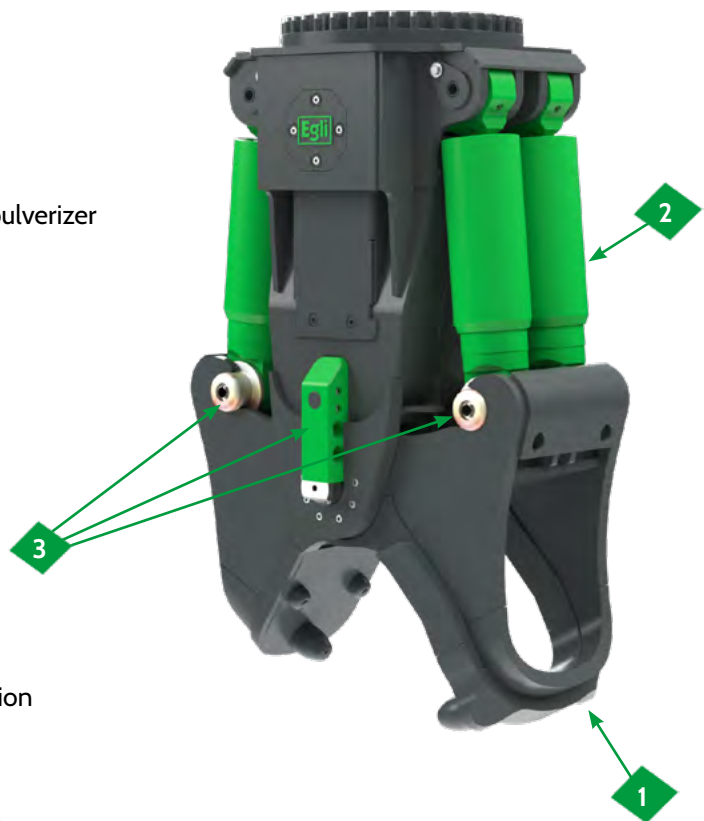
Marginal Fine Particle Content

Greater yield and high material quality

Mounting on the Support Unit

The crusher jaw can be fitted to the support unit with all the commonly available exchanger systems.

In the case of the OilQuick® quick-change system, this happens with completely protected internal hoses.



Egli Concrete crusher XMB 0.9

Compact performance for flexible applications

XMB 0.9 - Maximum biting force in the smallest space

The XMB 0.9 concrete crusher impresses with its extremely compact design. This compressed concrete crusher is also equipped with overload protection for the slewing gear for the slewing gear. With a pressure intensifier, a full 470 bar output pressure can be achieved and therefore enormous biting force. Combined with the Bionic jaw, the XMB 0.9 for large broken material and therefore provides an optimum yield for recycling. In addition, this shear also the reinforcing bars are also cut short on all three sides cut on all three sides.

The Multicut jaw can now also be combined with the XMB 0.9 concrete crusher.

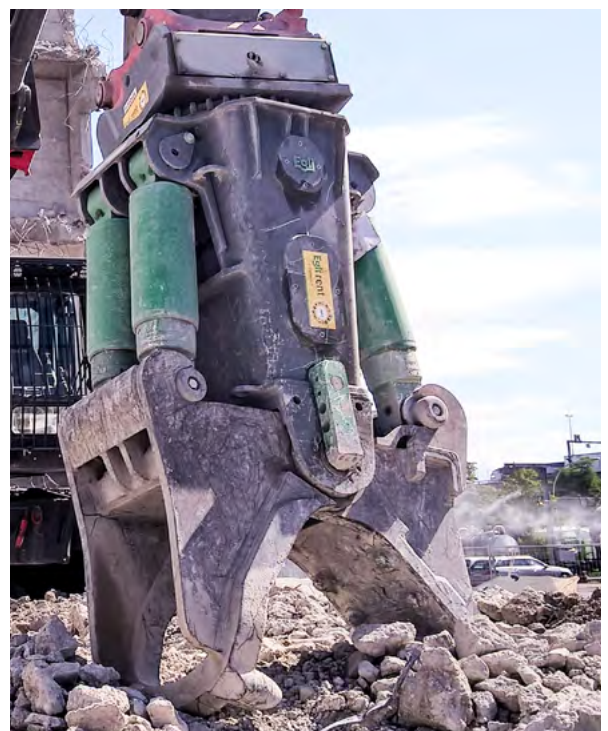




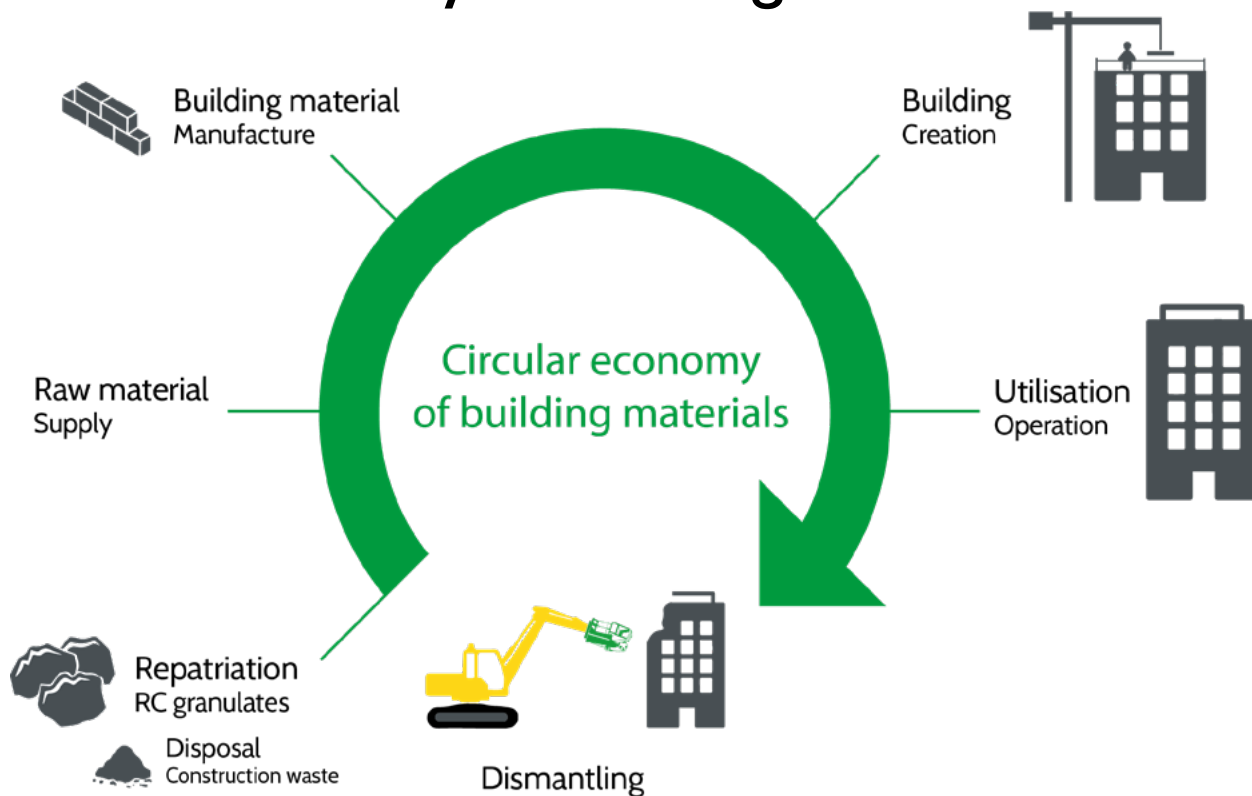
Recycling process in focus

In order to advance the circular economy of building materials, Gebrüder Egli Maschinen AG has created one of the most innovative demolition machines for the production of high-quality concrete raw material: the multi-patented Egli concrete crusher.

Thanks to the ingenious design of the various of the different jaws, a significantly higher yield and higher material quality is achieved. This valuable raw material can be fed directly into the recycling cycle and does not have to be disposed of as construction waste in landfill sites.



Recycled concrete in the circular economy of building materials



Orderly dismantling instead of demolition

Buildings at the end of their life cycle are valuable raw material stores for our building materials recycling. The materials are separated during dismantling and then recycled according to the rules of technology.

Up to 80% of a building can thus be returned to the building materials cycle instead of going to landfill. The building materials cycle is thus closed and the materials are continuously recycled. At the same time, valuable raw materials and expensive landfill space are saved.



Recycled concrete in the new Kunstmuseum building in Zurich



The green Egli Circle stands for the conservation natural resources through the promotion recycling of building materials and the use of durable materials.

Weitere Infos zum Thema Recycling:

- Egli Betonbeisser Produktvideo
youtube.com/watch?v=UU1qqmEJhc
- Egli Baustoff-Recycling
gebr-egli.ch/recycling
- Verband arv - Baustoffrecycling Schweiz
arv.ch
- Infoseite der Eberhard Unternehmungen
urbanmining.ch



Concrete Crusher - Technical Specifications

Typ	Einheit	XMB 0.9	XMB 1.6	XMB 2.8	XMB 3.7	XMB 5.4
weight class carrier unit	t	Excavator 8 - 15	Excavator 15 - 25	Excavator 18 - 30	Excavator 30 - 50 Longfront 50 - 90	Excavator 45 - 85 Longfront 60 - 120
crusher weight	kg	1'235	1'870	2'710	4'030	6'145
operating pressure rotating	bar	180	180	180	180	180
oil requirement rotating	l/min	60	60	60	60	60
operating pressure opening/closing	bar	470	500	350	350	350
oil requirement opening/closing	l/min	70-140	120-200	150-250	200-350	300-400
cylinder force	t	81	102	112	162	224
max. biting force	t	140	212	206	276	346

* Concrete body with Bionic jaw, without adapter plate



Fig.: XMB 3.7

Concrete Crusher with Bionic Jaw and OilQuick®- Adapter Plate with Internal Hoses

Housing

Made entirely of high-strength, fine-grained steel

Cylinders

cylinder technology with 100% piston protection

Jaws

Heat-resistant, high-performance, wear-resistant steel

Crusher Teeth

Armored with welded-on hard facing and fitted with tungsten tips

Quick-Change System

Fully hydraulic and patented

Dimensions Concrete Crusher without jaw

Typ	A mm	B mm	C mm
XMB 0.9	640	1'300	938
XMB 1.6	735	1'212	1'297
XMB 2.8	890	1'322	1'557
XMB 3.7	890	1'360	1'683
XMB 5.4	1'110	1'624	1'848

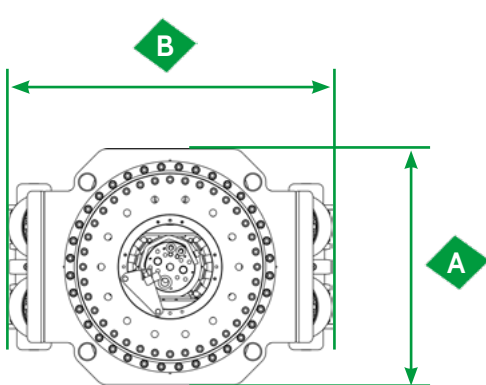


Fig.: XMB 3.7 top view

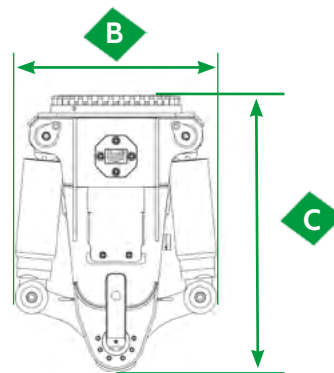


Fig.: XMB 3.7 without Bionic Jaw



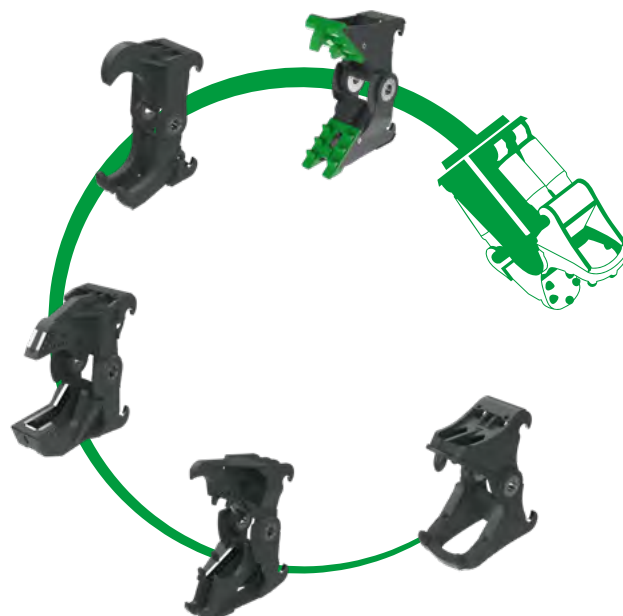


Egli jaws - Flexible and incredibly snappy

Maximum efficiency with the multi jaw concept

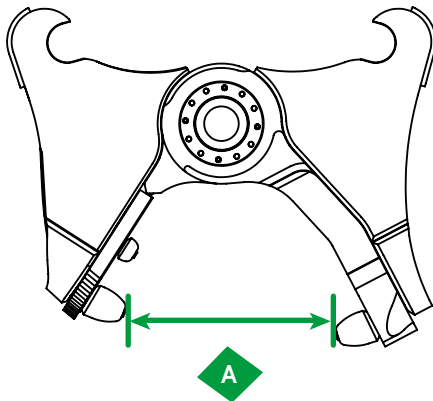
Thanks to the so-called "multi jaw concept", the basic device can be equipped with up to five different jaws for individual tasks.

With the simple and quick jaw change, the jaw can be flexibly adapted to the needs of the respective dismantling. And thanks to our reliable Egli Service, worn bits are ready for use again in no time!
(For information see pages 14 - 15)





Bionic jaw - Technical Specifications



► Features

- > Patented continuous cutting geometry
- > With one bite the concrete is broken on all three sides and at the same time the reinforcing bars are cut short in line with the breaker.
- > There are no cutting blades. This function is performed by an easy-to-regenerate cutting edge.
- > Thanks to the special shape of the teeth, wear is significantly lower

► Your advantages

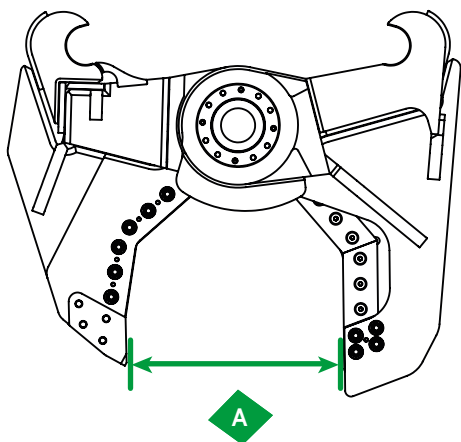
The resulting successive cut in conjunction with the high-performance cylinders provides a performance that could otherwise only be realised with much larger conventional shears.

Bionic jaw	weight jaw kg	opening width (A) mm	reinforced concrete thickness mm
XMB 0.9	435	430	350
XMB 1.6	485	540	450
XMB 2.8	850	590	500
XMB 3.7	1'150	710	600
XMB 5.4	2'145	940	800





Steel jaw - Technical Specifications



► Features

> Main cutting edge with counter cutting edge in the front area

► Your advantages

The stable design and shape of the jaw in conjunction with the force from the high-performance cylinders enables the material to be pierced and cut through at all times.

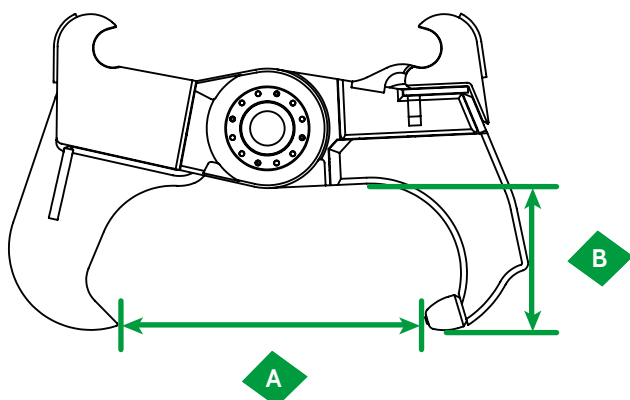
Steel jaw	weight jaw kg	Opening width (A) mm
XMB 2.8	1'050	590
XMB 3.7	1'600	730
XMB 5.4	2'535	820

performance parameters Steel jaw	I-carrier mm	IPB carrier mm	U-steel mm	square profile mm	rectangular profile mm
XMB 2.8	240	160	260	160 x 160 x 10	200 x 100 x 10
XMB 3.7	300	200	300	200 x 200 x 10	250 x 150 x 12
XMB 5.4	380	240	400	220 x 220 x 12	300 x 150 x 12

Max. Tensile strength of the steel to be cut: 500 N/mm²



TriPod-Gebiss - Technische Daten



► Features

> Three teeth for stable positioning during the crushing process
> Massive main crushing tooth that guarantees penetration and penetration and breaking
> Ideal tooth angle for breaking thicker walls wall thicknesses

► Your advantages

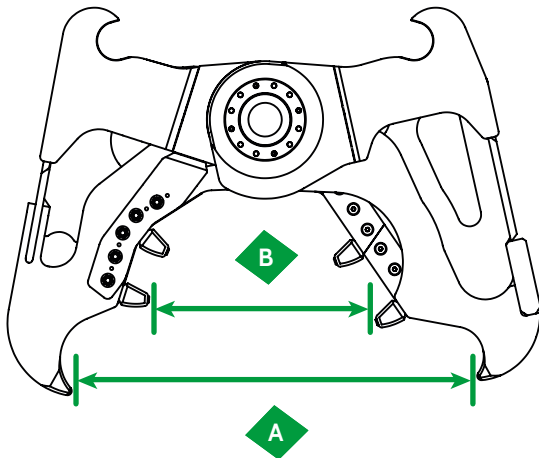
> For the pre-breaking of thicker concrete (e.g. beams, foundations) that can no longer be processed with the can no longer be processed with the Bionic bit.
> Replacement for demolition hammers in foundation dismantling
> Noise reduction
> Cost savings

TriPod jaw	weight jaw kg	Opening width (A) mm	Jaw depth (B) mm	Strength reinforced concrete mm
XMB 1.6	700*	750*	390*	650*
XMB 2.8	950	850	400	700
XMB 3.7	1'300	1'000	440	850
XMB 5.4	2'190	1'250	560	1'100

*Estimated values from our construction, as still in production



MultiCut jaw - Technical Specifications



MultiCut jaw	weight jaw kg	opening width (A) mm	opening width (B) mm	Strength Reinforced concrete mm
XMB 0.9	530	1'200	470	400
XMB 1.6	700*	1'080*	500*	450*
XMB 2.8	1'005	1'100	530	500
XMB 3.7	1'450	1'400	780	600
XMB 5.4	2'250	1'680	900	750

*Estimated values from our construction, as still in production

► Characteristics

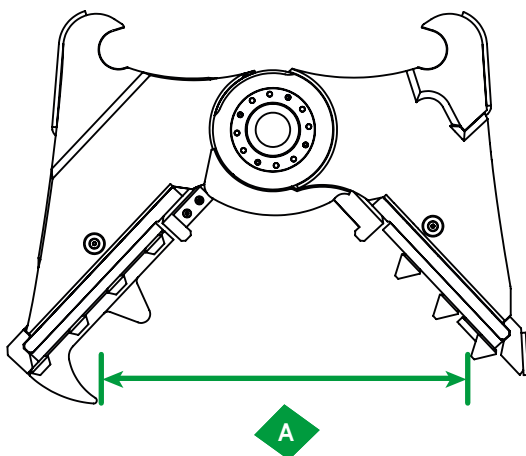
- > Strong jaw with crushing teeth in the inner area for heavy crushing work
- > Tooth tips for sorting work
- > Cutting edges with replaceable blades for cutting reinforcing bars

► Your advantages

The multifunctional design of this bit enables highly efficient use in mixed demolition or pile head processing.



Pulverising jaw - Technical data



Pulverising jaw	weight jaw kg	opening with (A) mm	Pulverised surface
XMB 2.8	1'060	1'129	560 x 400
XMB 3.7	1'600*	1'250	660 x 480

*Estimated value from our construction, as still in production

► Features

- > No bit overlap, armouring and tension cable remain
- tensioning cables remain intact.

► Your advantages

- > Pulverisation of coarse demolition material directly on the construction site.
- > Exposure of parts, such as supports, with a with a majority of steel per m3 of concrete.

www.gebr-egli.ch



Effizienter Rückbau mit Zuverlässigem Egli Service



5 Jaws back on the construction site



6 Concrete crusher use

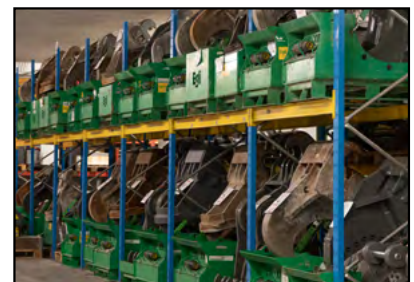


1 Worn jaw

Cost and energy savings through wear reduction & increased performance per m³/h.

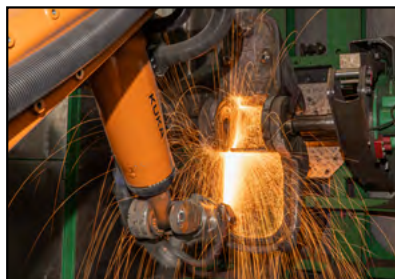


4 Freshly refurbished jaw



2 Delivery of replacement jaw and exchange on the construction site

Jaw revision
YouTube Video



3 Jaw reconditioning

The right set of jaw for every situation



Bionic Jaw



TriPod Jaw



Steel Jaw



MultiCut Jaw



Pulverizing Jaw

Hydraulic jaw change in approx. 2 minutes

(Manual switchover from "Work" to "Change" required on the concrete crusher)



Jaw change:
YouTube video
instruction

Transport frame

(available for all types of bits)

- Bits get less dirty
- Ideal mounting angle for jaw changes
- Practical document tube
- Integrated compartment with metal bolts for jaw changes



Lubrication case - Egli Concrete Crusher

(available separately)

- Battery grease gun incl. battery charger
- Grease cartridges
- Operating instructions, lubrication instructions
- Measuring connection, valves, screw plug
- Various tools



Lubrication plan:
YouTube video
instruction

Changing process with transport frame



Constant operational readiness is guaranteed:

Thanks to the interchangeability of the jaws, the basic device is not blocked. One jaw is in use and the second is regenerated in our metalworking shop. For a detailed description of how to change the individual jaws, please refer to the current Egli Concrete Crusher quick guide.



