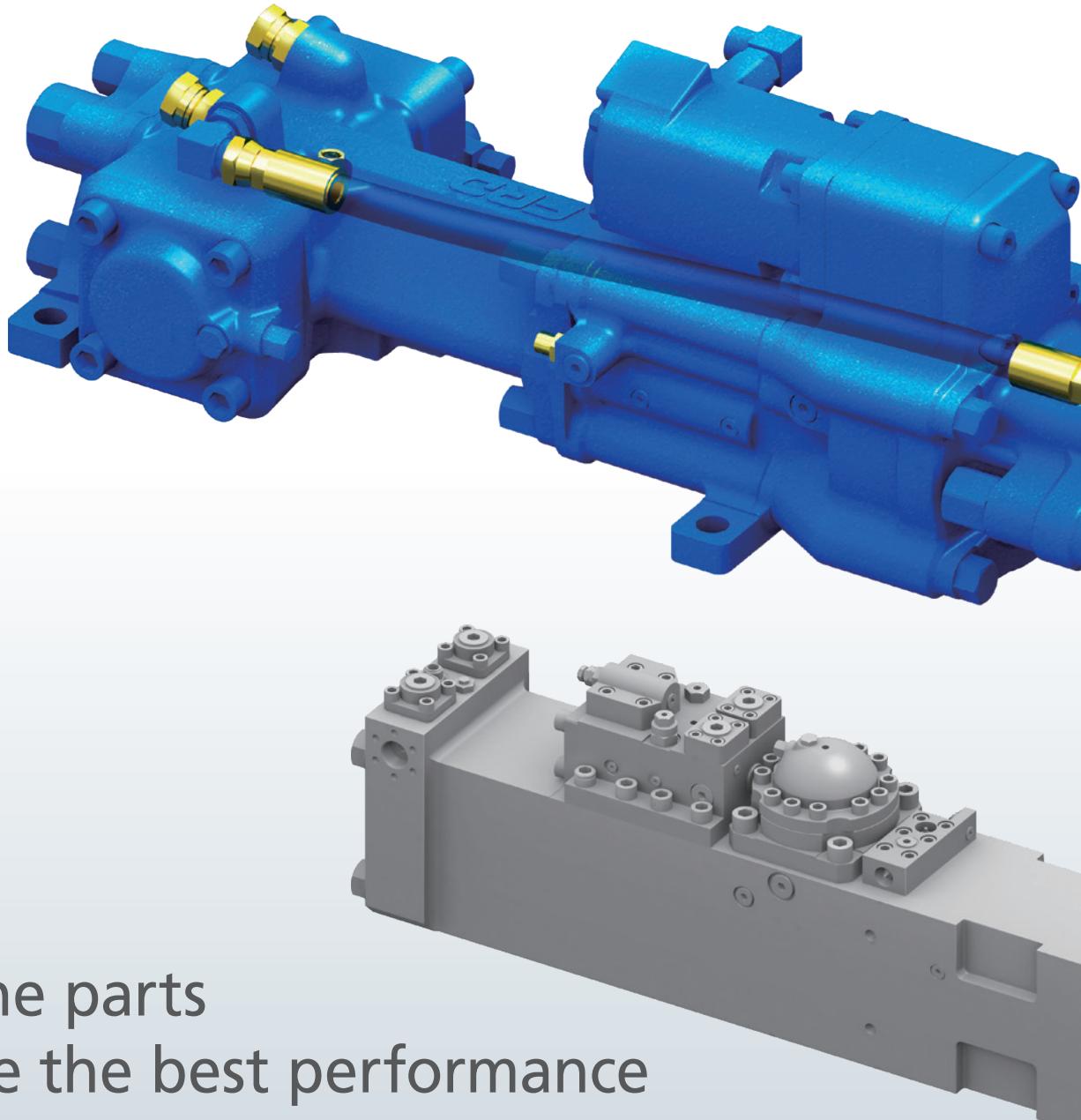


# Genuine parts of Furukawa Rock Drill



Boost your Productivity with  
the Best Choice

Boost your Productivity with the Best Choice



## Genuine parts provide the best performance

Furukawa Rock Drill genuine rods (chisel) are designed and manufactured with ideal compatibility with core parts (pistons, bushings, etc.) in consideration of individual product characteristics.

None-genuine rods (not manufactured according to original design) may cause serious damage on the core parts having an impact, even if the rod's life may be extended a little. Genuine parts pursue a balance between strength and durability maximize the performance of the product and improve the cost performance over the life cycle of the product.

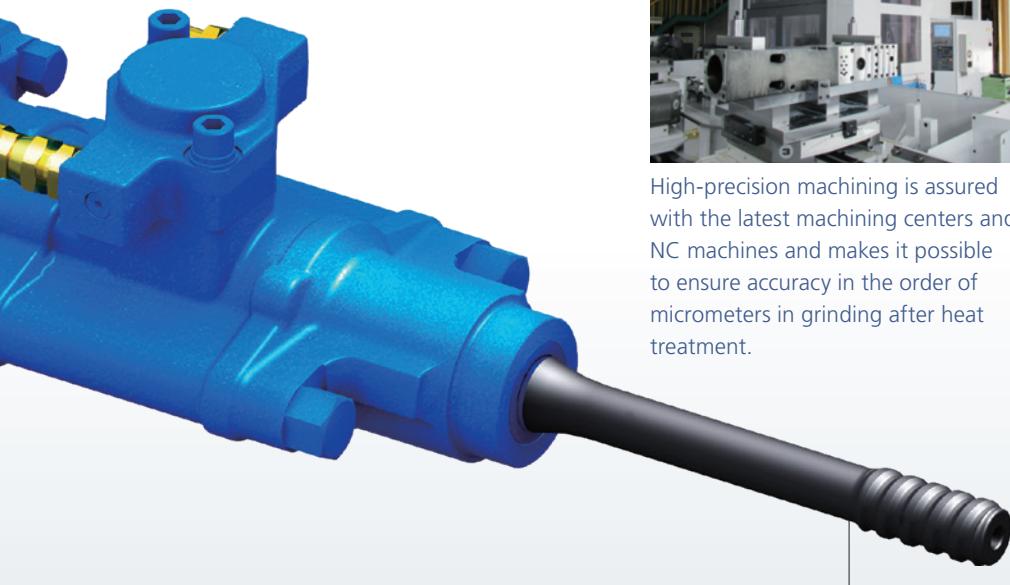
The use of genuine parts is the only way to get high performance of the products.

# High quality achieved from the experience for over 100 years

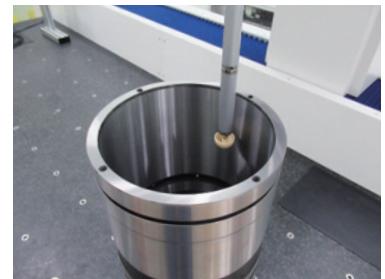
Furukawa Rock Drill strictly controls all processes from material procurement to final inspection.

We apply particularly high level of quality control to each of the machining, welding, heat treatment and grinding processes that are important for rock drills. Above all, the hardness and strength of steel, which affects the durability of rock drills, are pursued ideally by the latest heat treatment.

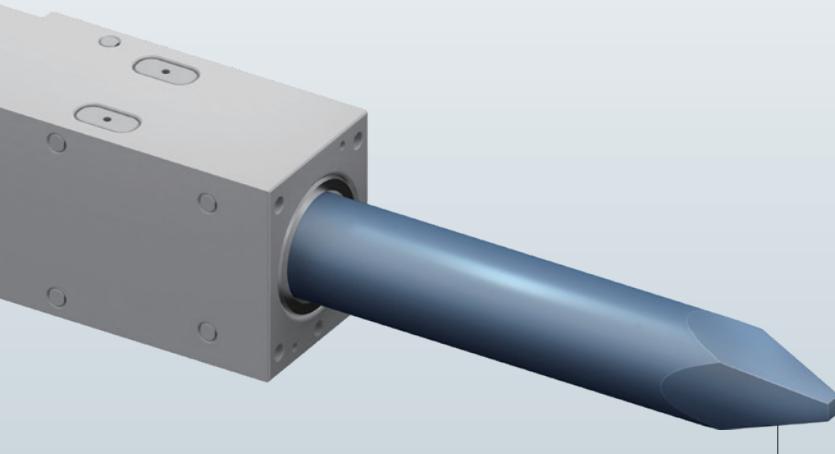
We pride ourselves on consistent product manufacturing, from material research to design, manufacturing, assembly, inspection, and after-sales service. Furukawa Rock Drill will continue to provide well-balanced and durable parts by utilizing the technology and know-how cultivated over many years.



High-precision machining is assured with the latest machining centers and NC machines and makes it possible to ensure accuracy in the order of micrometers in grinding after heat treatment.



We also measure geometric dimensions (roundness, flatness, etc.) that cannot be measured by human eyes with a three-dimensional measuring device.

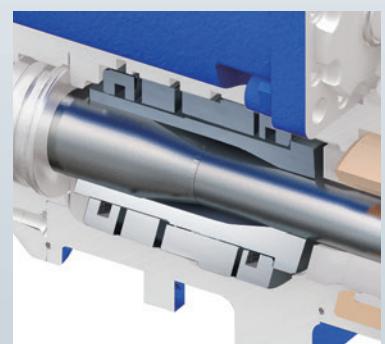


## Hydraulic breaker

Less noisy and environmentally friendly,  
A model to be installed in the ultra-low noise SS-BOX.

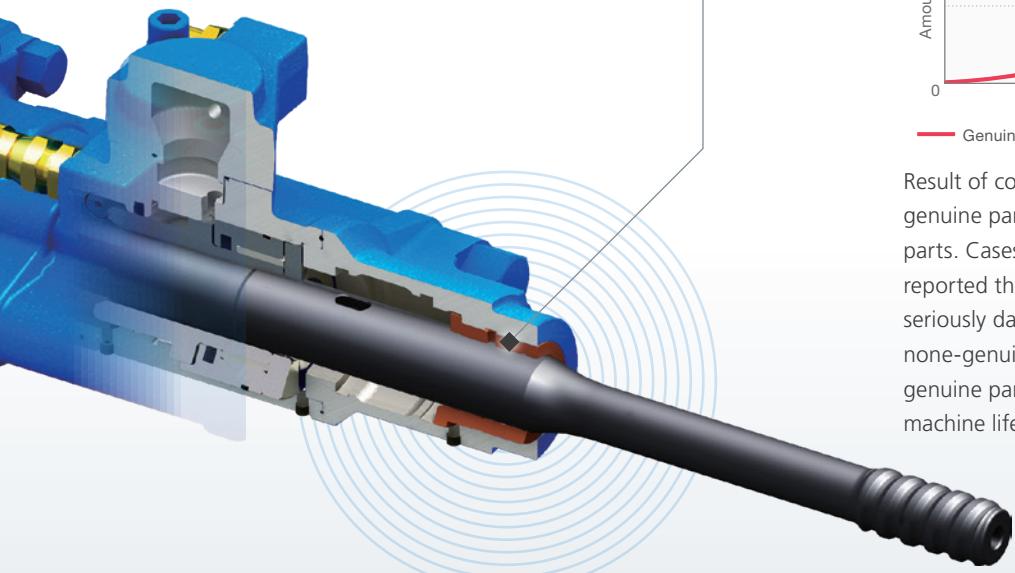
## Hydraulic drifter

With a dual damper mechanism and a wedge-shaped piston that maximizes energy transfer efficiency, it quickly responds to various changes in rock condition.

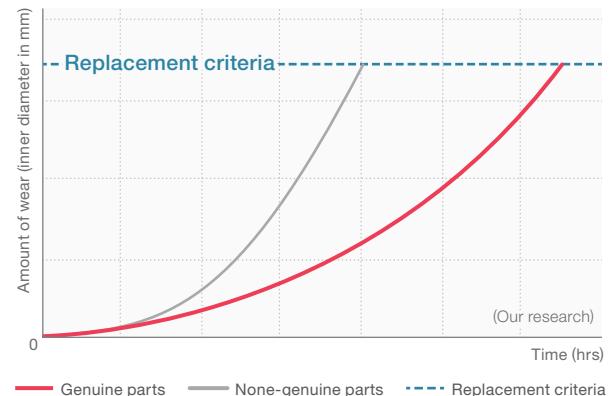


## Hydraulic drifter front bushing

Special materials and shapes suitable for rock drills reduce wear on the sliding surface of the rod and provide optimum life of front bush and rod.



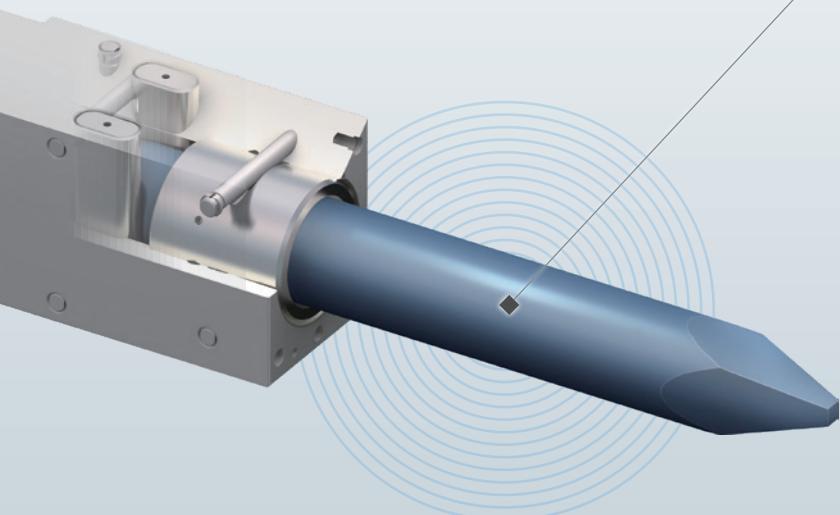
Life of front bushing of hydraulic drifter



Result of comparing life between genuine parts and non-genuine parts. Cases (Fig.1) have been reported that internal parts were seriously damaged by the use of non-genuine parts. The use of genuine parts brings the optimum machine life.



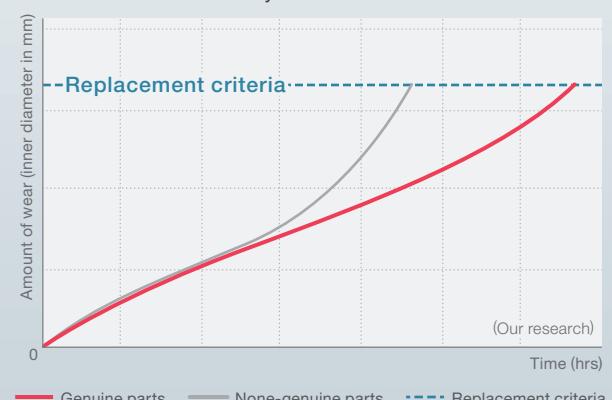
Fig.1



## Hydraulic breaker rod

Achieves the optimum balance of strength and toughness by delicate hardness adjustment by heat treatment at our own factory.

Life of hydraulic breaker rod



Result of comparing the rod life between genuine parts and non-genuine parts. Cases of serious damage to the piston (Fig.2) have been reported because the surface of non-genuine parts were too hard. The use of genuine parts brings the optimum machine life.



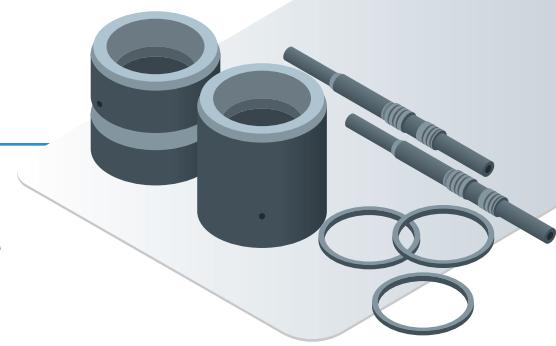
Fig.2

Convenient and affordable purchasing service

## Consumables kit sale

Among the genuine service parts indispensable for improving the life of the product, consumable kits that include parts in high demand are available. Also we have set a better price for the kit parts than purchasing them separately.

\* Please contact your FRD dealer for the part number of the consumables kit.



### Hydraulic breaker consumable kit

Front kit	Breaker seal kit and kit parts around the front
Front kit light	Breaker seal kit, rod pin, stop pin kit parts

### Blast hole drill filter kit

Filter kit (HCR)	Filter kit parts to be replaced frequently (Crawler drill)
Filter kit (DCR)	Filter kit parts to be replaced frequently (Down the hole drill)

### Hydraulic Drifter Consumable parts Kit

2000Hrs kit	Kit parts for replacement after 2,000 hours operation
3000Hrs kit	Kit parts for replacement after 3,000 hours operation
4000Hrs kit	Kit parts for replacement after 4,000 hours operation

\* Consumable parts kits are subject to add, so please contact your FRD dealer.

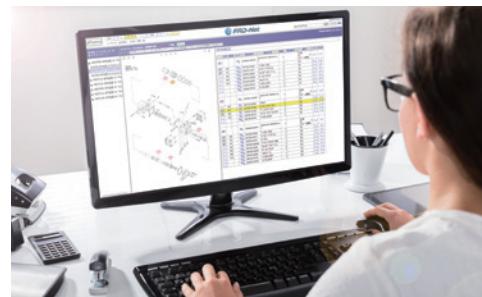
Timely genuine parts order

## Online parts order (FRD-Net)

To meet the needs of the field, dealers can use FRD-Net Online Parts Order to check stock quantity of parts and to place an order of genuine parts in stock whenever needed.

Dealers will be notified automatically by e-mail of the shipping information of the parts having been ordered. You can check the delivery status in real time via your dealer by using the shipping document attached to the email.

Dealers can also order consumable kit parts online from the FRD-Net Campaign Parts page.





FURUKAWA Drill-Care



## Benefits only for genuine parts users

### Parts warranty

Genuine parts of FRD come with a warranty. Please contact your FRD dealer for warranty details.

### Special support program

#### ● Extended warranty program for blast hole drills

FRD offers extended warranty program that allows you to extend the standard warranty period for main components. Rest assured by extending the warranty period for main components that incur high repair costs in the event of a breakdown.

#### ● Full maintenance program for blast hole drills

Fixed monthly payment will provide you with the optimum maintenance program according to the operation. With the program, no cost for repair to the customer.

\* Please contact your FRD dealer for special support program details.

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