



FRD
FURUKAWA

TOTAL IMPACT CONTROL

ON DEMAND

QSV
QUICK SWITCH VALVE

MANUAL, INSTANT SWITCHING BETWEEN
STRONG AND LIGHT IMPACT



**SMART STROKE
SYSTEM**

AUTOMATICALLY CHANGES BETWEEN
STRONG AND LIGHT IMPACT



FHB

HYDRAULIC BREAKER



FRD

FURUKAWA

QSV

QUICK SWITCH VALVE

1 SECOND SWITCH

STRONG - LIGHT

*Switch impact in one second!
Insert the tool and turn 90 degrees*

QSV

QUICK SWITCH VALVE

(S)
Light

(L)
Strong



(A)
Auto Stop

(A) Auto Stop

*When the rock is fractured the percussion
stops automatically*

FHB

HYDRAULIC BREAKER



FRD

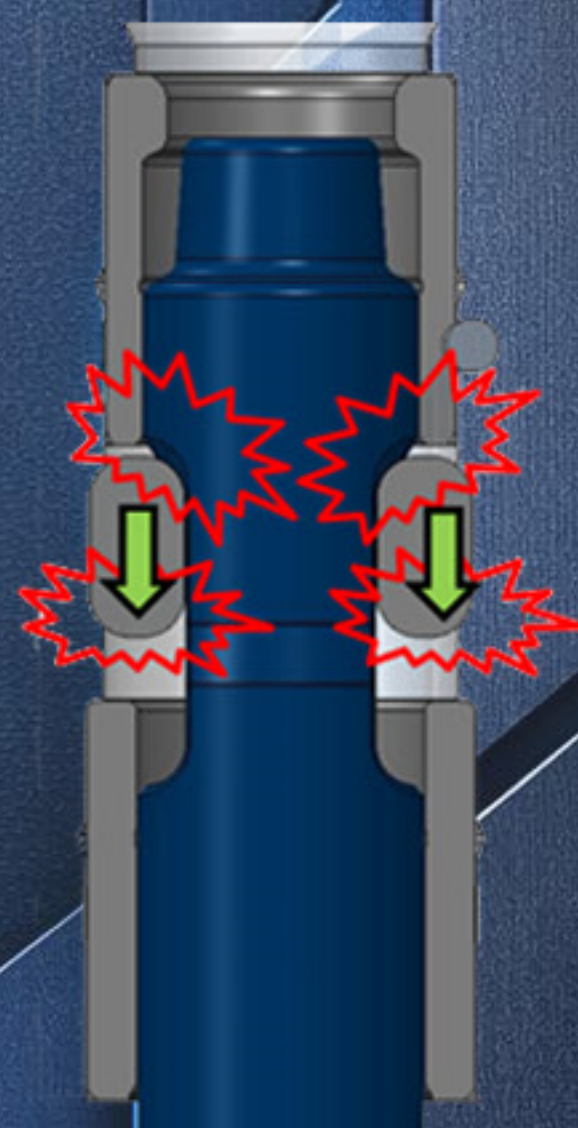
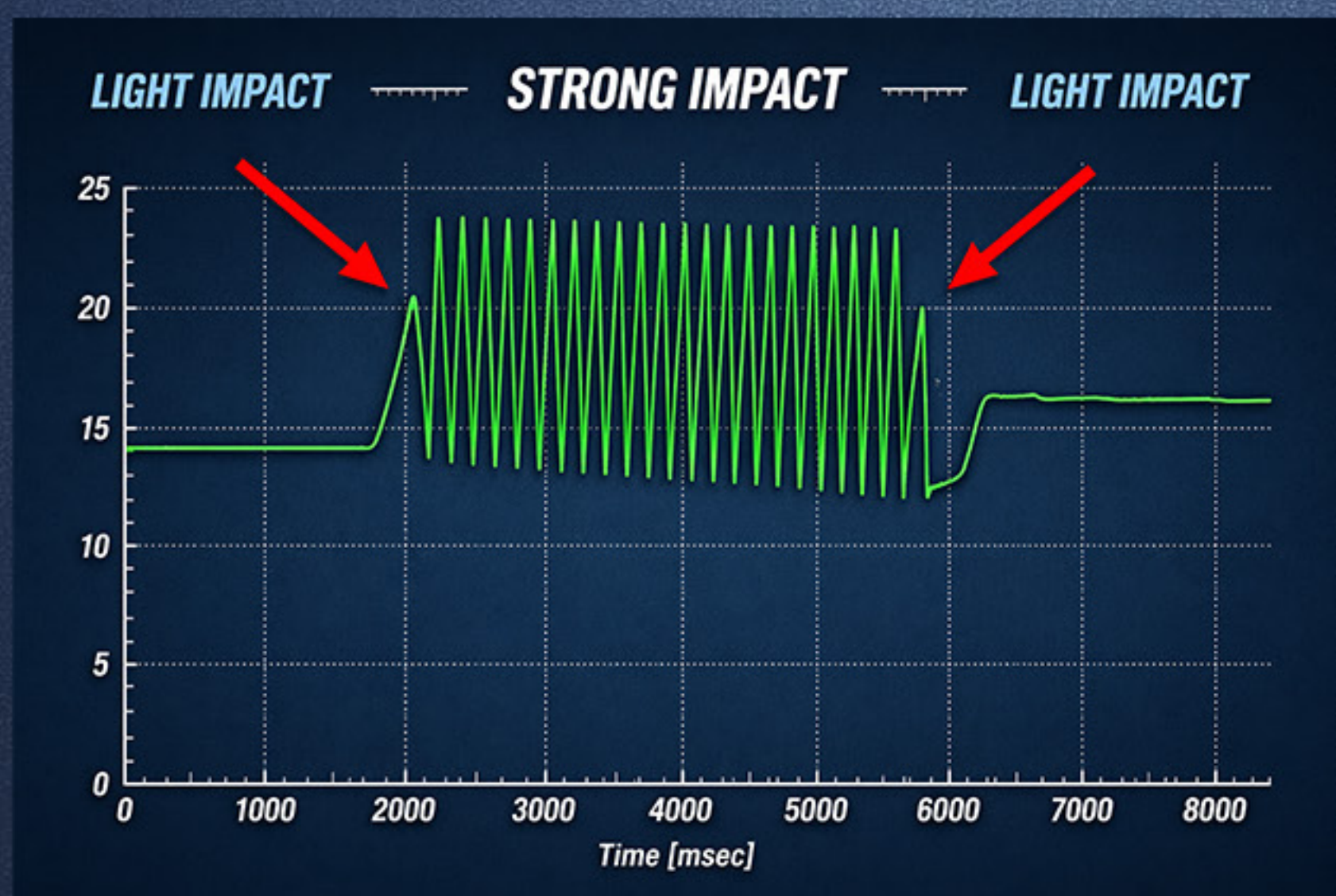
FURUKAWA



SMART STROKE

AUTOMATIC IMPACT CONTROL

SSS changes piston stroke automatically, switching between strong and light impact on its own



It automatically changes to light impact, reducing damage to the hydraulic breaker caused by blank blows

FHB

HYDRAULIC BREAKER



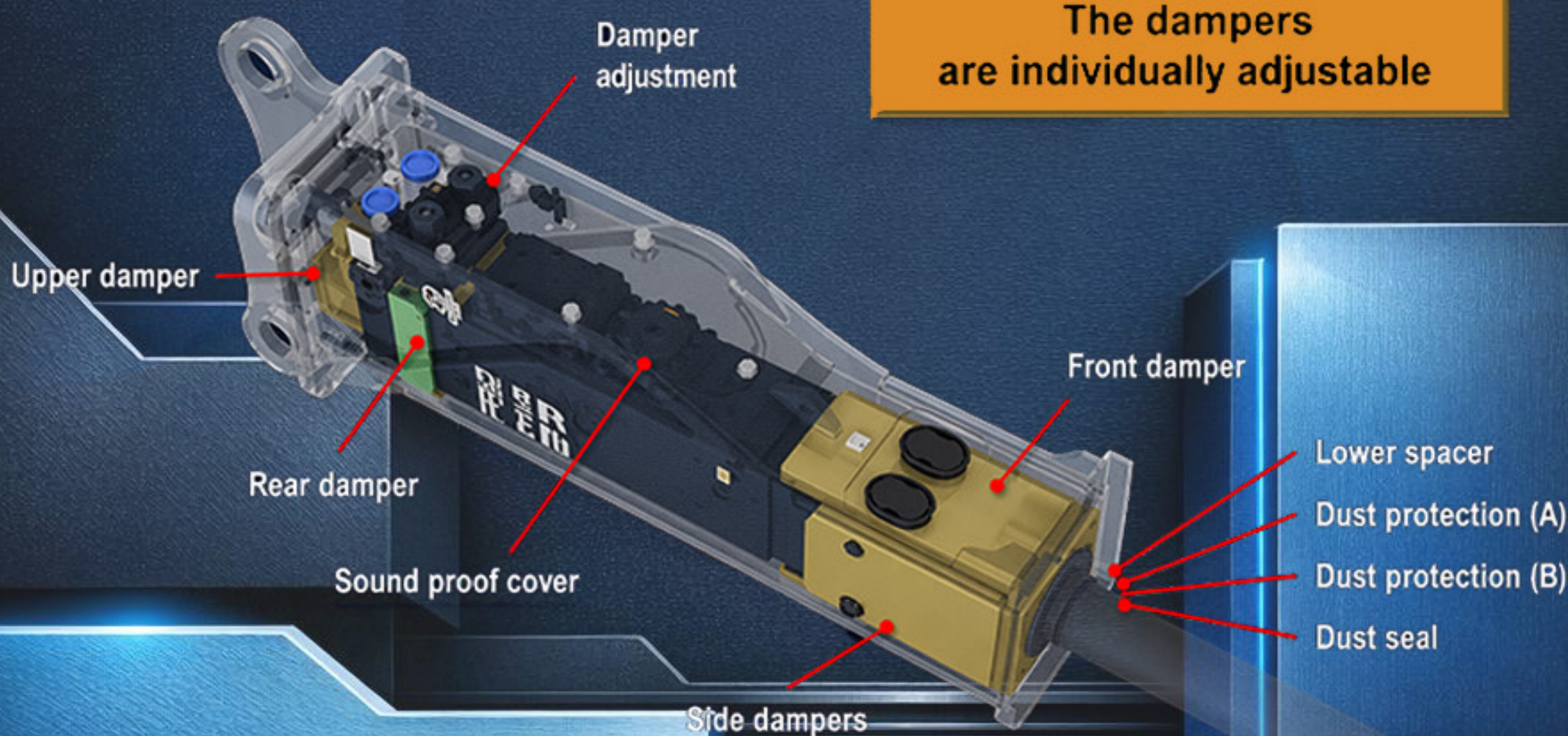
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EXTREMELY LOW NOISE AND VIBRATION

The SV housing: A damping system that provides effective noise and vibration reduction for greater operator comfort and significantly lower environmental impact

The dampers
are individually adjustable



Damping and guide elements
made of polyurethane

FHB

HYDRAULIC BREAKER



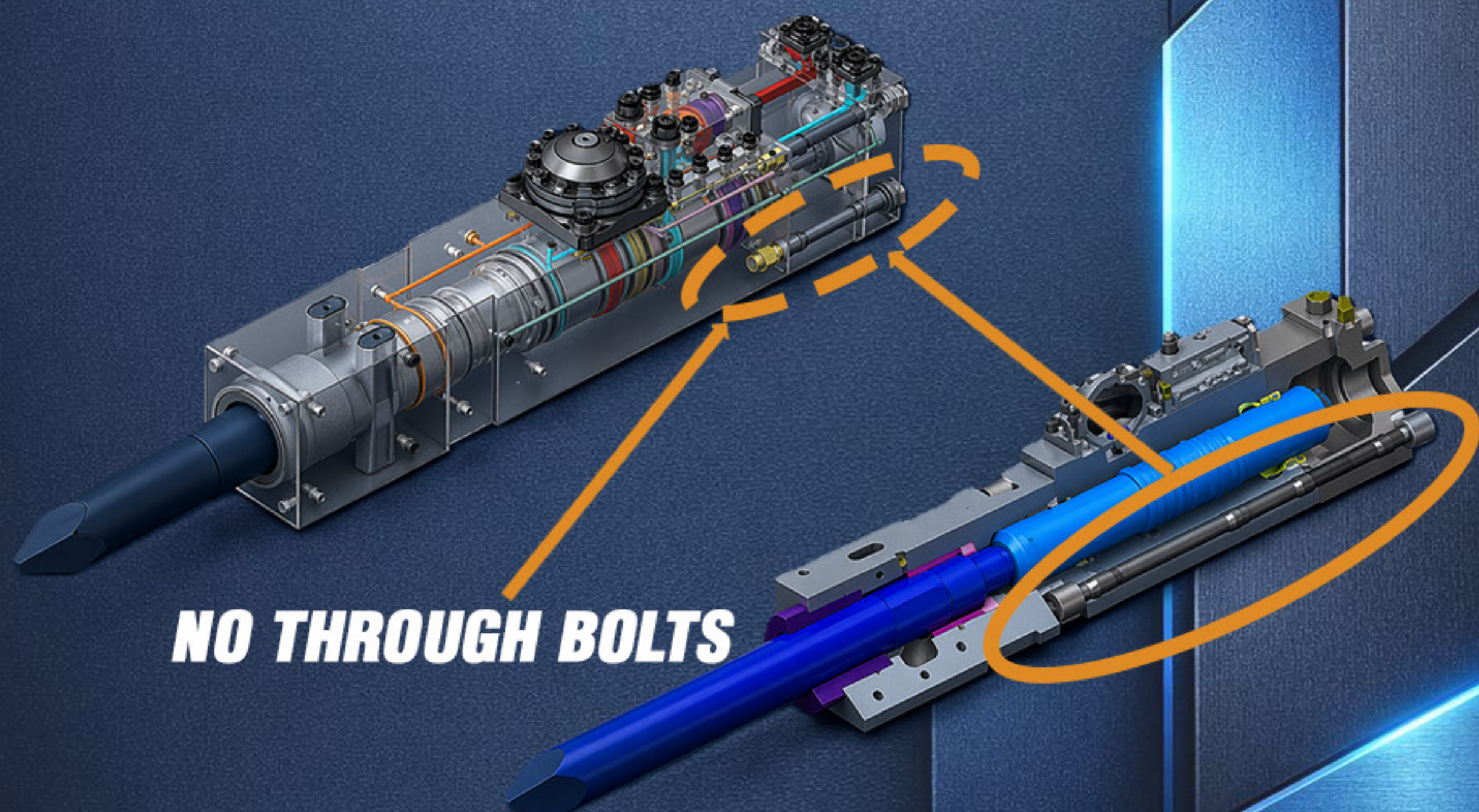
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THE BEST MONOBLOCK DESIGN

The unique monoblock structure from FRD eliminates the need for through bolts.

FOR THE USER:

No maintenance of through bolts required.



NO THROUGH BOLTS

FHB
HYDRAULIC BREAKER



FRD

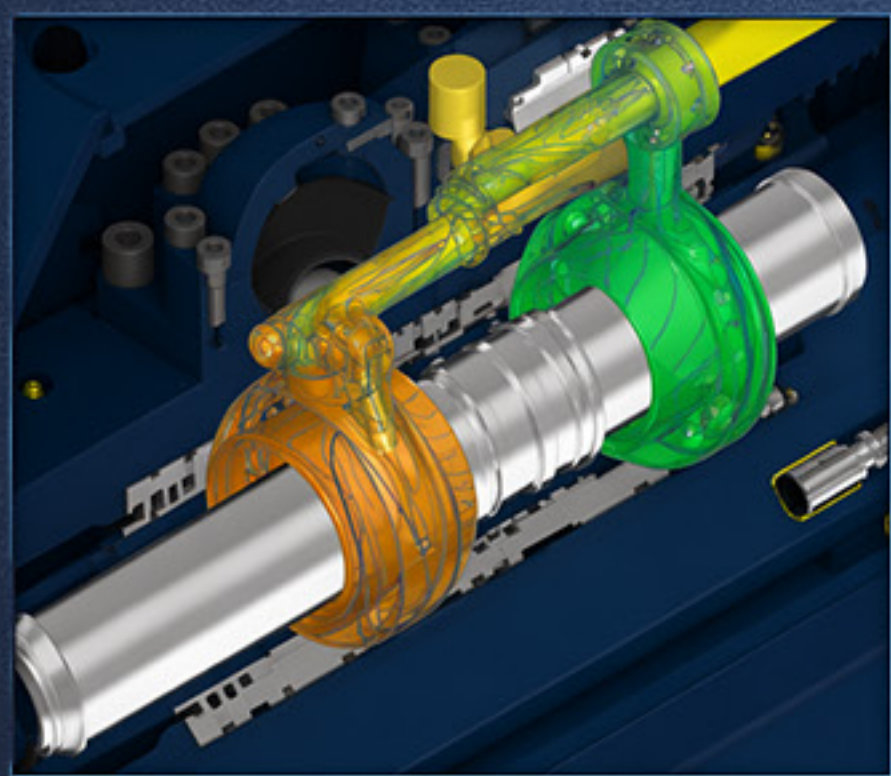
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MAXIMUM PERFORMANCE MINIMAL CONSUMPTION

Through 3D flow analysis, the internal flow within the hydraulic breaker is optimized, significantly reducing flow resistance.

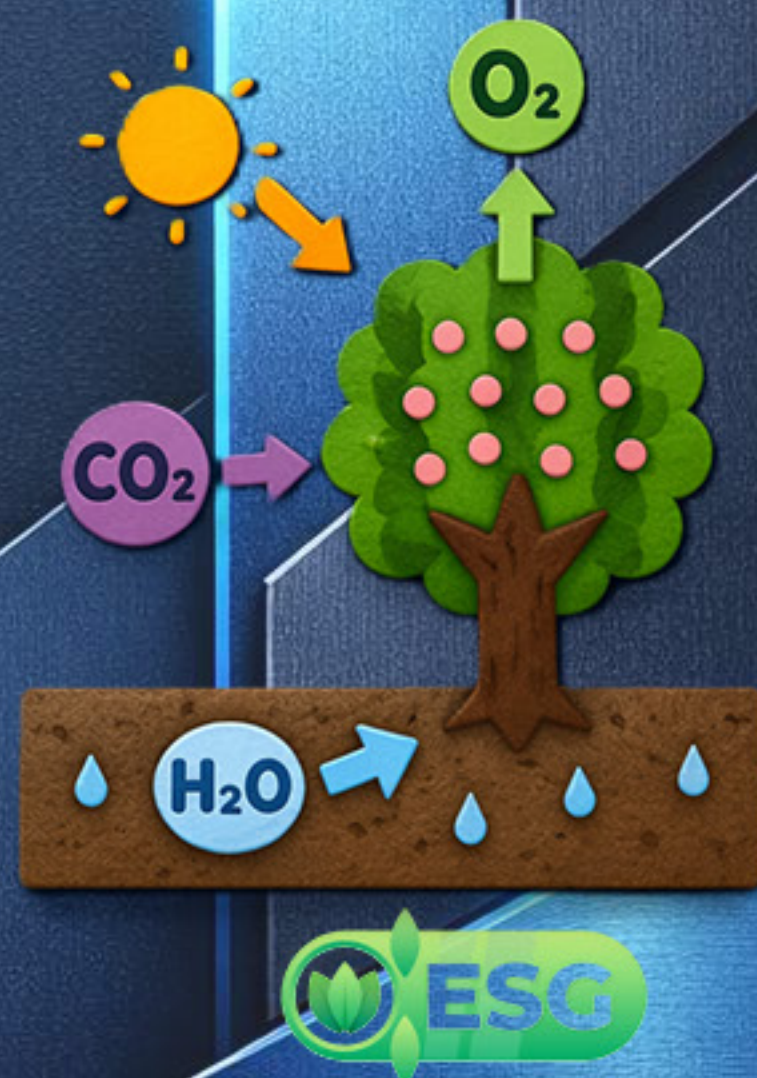
FOR THE USER:

- Faster working cycles
- Lower strain on the carrier machine
- Improved fuel efficiency
- Reduced CO₂ emissions



CO₂ reduction:
5,720 Ton/Year

||
**406,000
Cedar Trees**



FHB

HYDRAULIC BREAKER



FHB

HYDRAULIC BREAKER

FRD

FURUKAWA



	OPERATING WEIGHT	IMPACT RATE	OIL FLOW RATE	OPERATING PRESSURE	ROD DIAMETER	RECOMMENDED MACHINE CLASS
	kg	min-1	l/min	MPa	mm	ton
FHB12	780	450-670	70-120	16-18	110	9-16
FXJ125	800	400-650	100-160	16-18	110	9-16
FHB16 QSV	1000	420-620	100-155	16-18	120	12-21
FXJ175	1000	450-600	100-160	16-18	120	12-21
FHB18 QSV	1200	400-600	110-170	16-18	120	15-26
FXJ175	1000	450-600	100-160	16-18	120	12-21
FHB20 QSV	1500	390-590	125-195	16-18	135	17-29
FXJ225	1600	450-600	125-190	16-18	135	16-25
FHB27 QSV	1800	370-550	140-210	16-18	140	20-32
FXJ275	1800	350-550	145-220	16-18	140	21-30
FHB35 QSV	2500	340-510	170-250	16-18	155	25-45
FXJ375	2600	300-450	170-260	16-18	155	25-42
FHB45 QSV	3200	290-400	200-300	16-18	170	33-55
FXJ475	3200	250-350	200-300	16-18	170	33-55

QSV
QUICK SWITCH VALVE

Power - Precision - Durability

