

NPK[®]

HYDRAULIC HAMMERS

14 - 110 ton



Unique technique!

NPK[®]

E & GH-Series hydraulic hammers more power and less noise



E-208A



E-210C



GH-10



GH-12



GH-15

Advantages

- Designed and produced by the world's largest manufacturer of Boom Mounted Attachments.
- World wide sales and product support network.
- Unique gas charged piston action produces less recoil and more power.
- Variable blow frequency: flexibility to match work requirements.
- Only two moving parts and fully sleeved main body: less wear and ease of maintenance.
- All models easily adapted to underwater operation.
- Special shock absorbing rubber cushions absorbs vibration and protects integrity of excavator boom and arm.
- Designed with sealed gas (N2) chamber - no rubber bladder accumulators.
- Constant energy per blow: maintains high breakout force - not dependant upon blow rate.
- Rapid and easy chisel replacement: reduces downtime to a minimum.
- Replaceable tool bushings: prevent wear to main chisel holder body and enhances the life of the breaker.
- Designed with automatic lubrication channeling which allows installation of lubrication system.

Shock absorbing Cushion Rubbers: low vibration and low noise

The shock absorbing mounting brackets, utilize special heavy-duty rubber mounts to absorb shock, recoil and impulse vibration. This unique **NPK** feature minimizes machine wear and improves operator comfort for greater reliability and productivity.





GH-18

E-240A

E-260B

Improved performance

After the successful H-Series Hydraulic Hammers, **NPK** proves her innovative policy with a complete new range of E & GH-series. Improved impact energy and higher blow frequency both result in higher performance. Extended excavator range for each model and higher rates in oil flow allow an optimal choice for any situation.

Enviro Case

Besides improvements in performance, **NPK** developed a new range of brackets which enclose the hammer in the best possible way. (up to GH-18)
The new Enviro case reduces noise level and vibration: measured according the latest European standards, EN ISO 3744 ('95), directive 2000/14/EC, in soundproof version.



Technical Specifications:

Model	NPK	E-208A	E-210C	GH-10	GH-12	GH-15	GH-18	E-240A	E-260B
Excavator weight	ton	14~21	17~24	21~28	24~38	28~45	38~50	50~80	80~110
Operating weight	kg	1320	1610	1840	2340	2860	3410	5900	7700
Length with chisel	mm	2281	2428	2575	2772	2980	3101	3368	3890
Oil flow	L/min	100~180	150~200	165~210	170~220	200~250	220~290	280~350	300~400
Blow frequency	bpm	400~700	500~650	430~550	400~520	350~450	300~400	310~390	240~330
Min. excavator pressure	Mpa	21 ~	21 ~	21 ~	21 ~	21 ~	21 ~	21 ~	21 ~
Chisel diameter	mm	116	126	136	146	156	165	184	204

Technical specifications subject to change without prior notice.

Unique gas charged piston action. The Power of **NPK**[®]

Nitrogen gas:
less recoil, more power

Main valve:
only two moving parts

Piston: constant
energy per blow

**Automatic
lubrication port**

Replaceable bushings
prevent wear to main body

**Rapid chisel
replacement**

Square shaped chisel holder:
ensures durability

Genuine NPK chisel
proven performance



OPTION: **Automatic Lubrication System**

To avoid unnecessary wear of tool bushings and chisel, caused by irregular greasing, **NPK** offers the Automatic Lubrication System. As soon as the hammer starts to operate, this system greases tool and bushings continuously with a precise and adjustable amount of grease.

Not too much (saving grease) and not too less. (reducing wear) Special shock-proof cartridge construction and unique grease transport ensure reliable operation.

Your benefits: reduced down-time, comfortable working conditions and less replacement costs.



- Lubrication level visible for operator.
- No additional lines to excavator.
- Replaceable screw cartridge.

Standard chisels

Chisel (P)

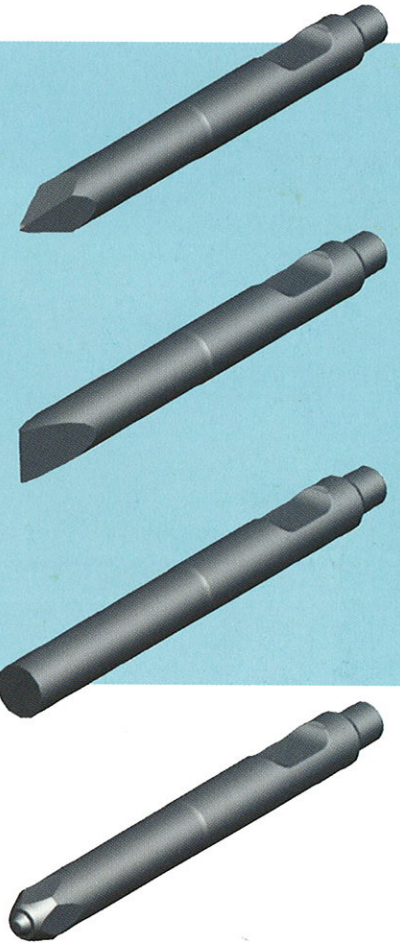
- Concrete breaking
- Highway construction
- General demolition

Chisel crosscut (FX)

- Trenching
- Cutting casting gates
- Breaking oversize
- General demolition

Chisel (E)

- Secondary breaking
- Breaking oversize
- Slag removal



Chisel (PC): Core Chisel

The **NPK**[®] CORE CHISEL with its revolutionary steel core, provides extra hardness where it is required: at the point of impact. The benefit being less wear, increased productivity and lower replacement costs!

With its hard centre, the chisel point is kept ever sharp. The material surrounding the core wears at a faster rate, ensuring the chisel point remains sharp and thereby delivering maximum impact and penetration at the contact point.

Unlike its competitors, the **NPK**[®] CORE CHISEL's hardness and efficiency does not decrease when the chisel point temperature begins to rise.

Standard chisels can produce a temperature at the chisel point of nearly 550° C which can greatly affect the hardness and impact energy as it cools down.

The CORE CHISEL experiences less temperature change and consequently minimum hardness variations, making it the most powerful chisel available.

Like the normal Chisel(P) the CORE CHISEL is most suitable for concrete breaking, highway construction and general demolition.



More choice, more efficiency

Within the comprehensive program of hydraulic hammers, **NPK**[®] also offers a range of smaller hammers for excavators of 0.5 - 18 ton!

E-102	E-203
E-106	E-204
E-200	E-205
E-201	E-206
E-202	E-207



- Full covering brochure available -



CRUSHERS



CRUNCHERS



MULTI PROCESSORS



COMBI SHEARS



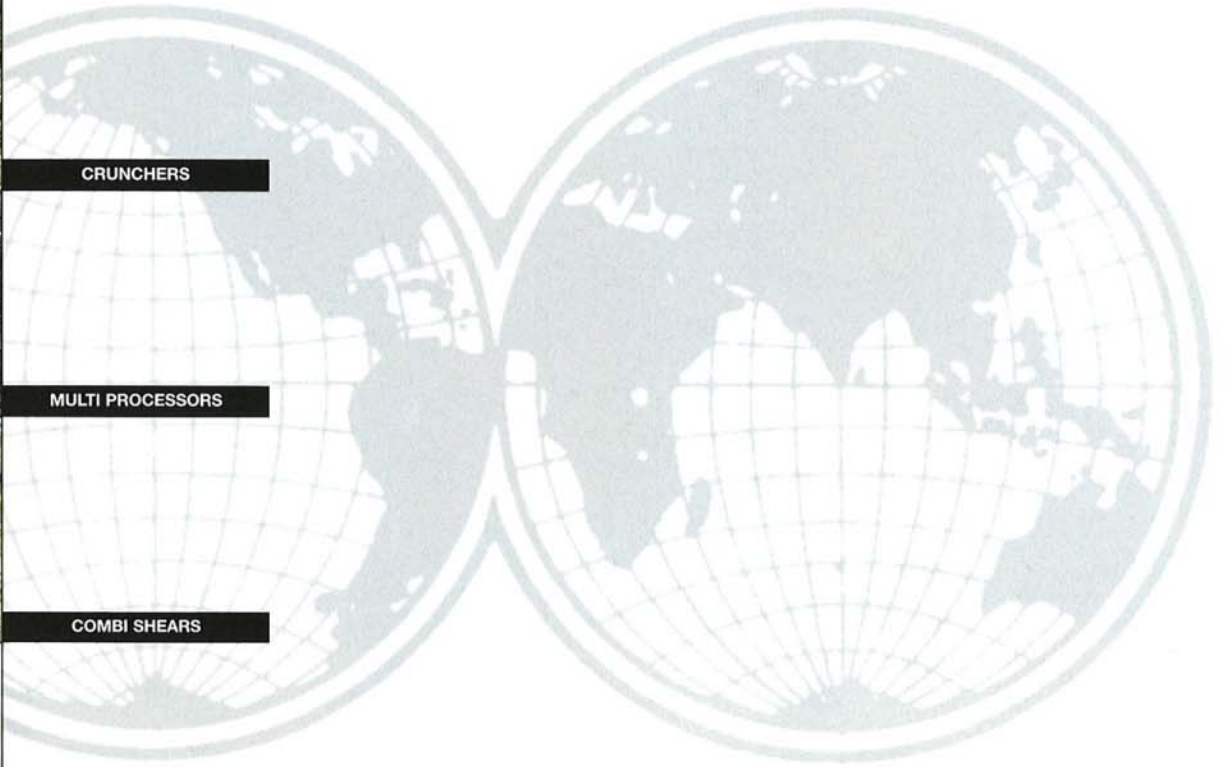
DEMOLITION GRABS



COMPACTORS



SHEET PILERS



CE

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