

**NPK<sup>®</sup>**

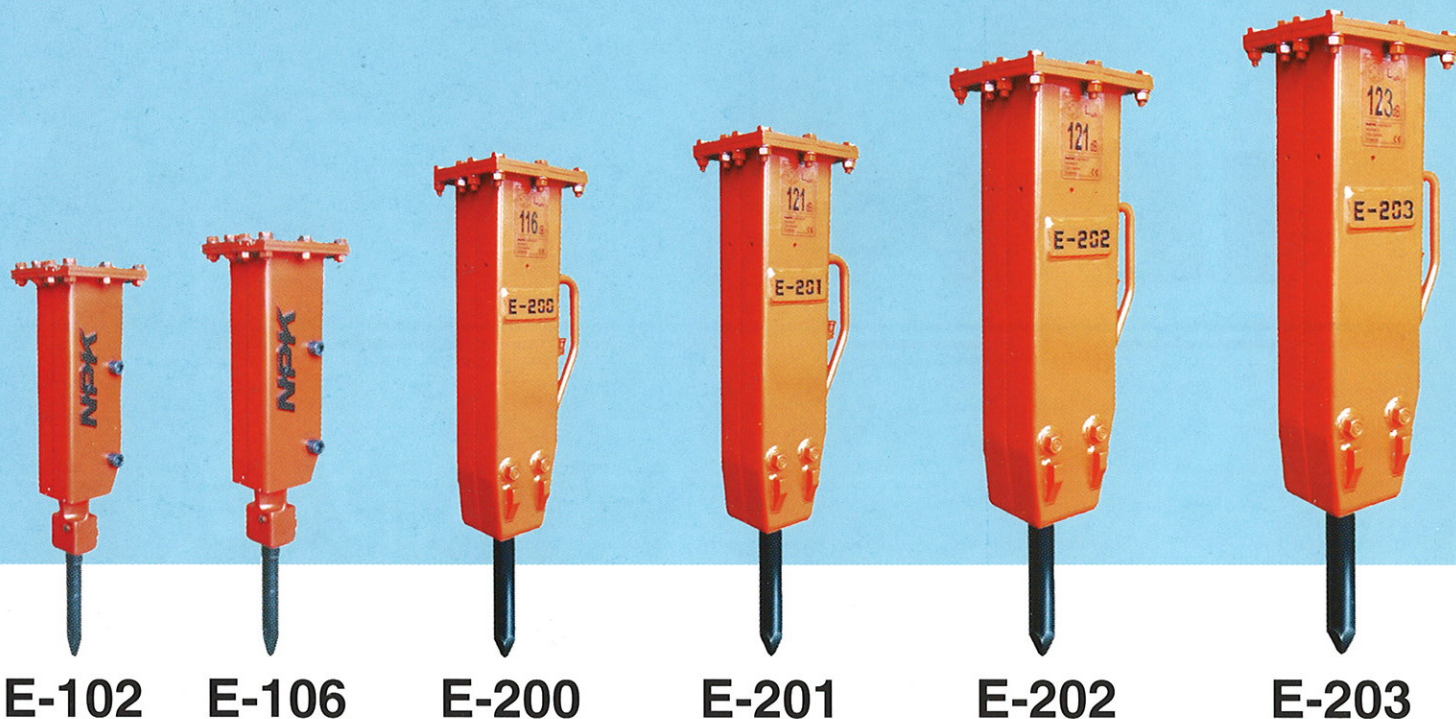
# HYDRAULIC HAMMERS

0,5 - 18 ton



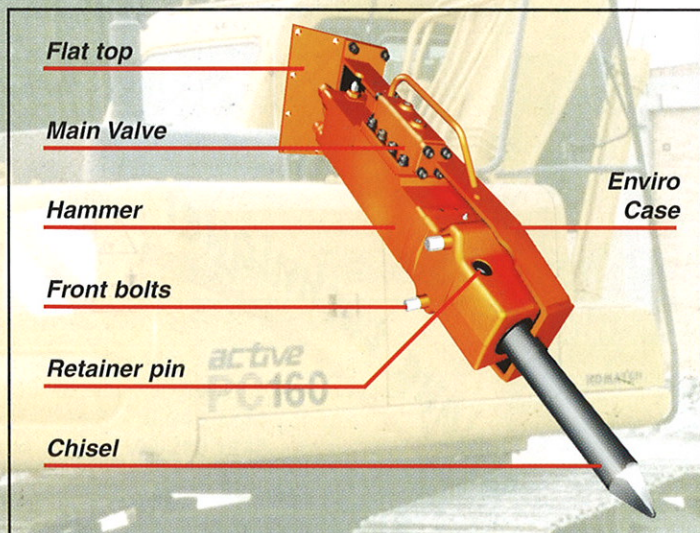
*Unique technique!*

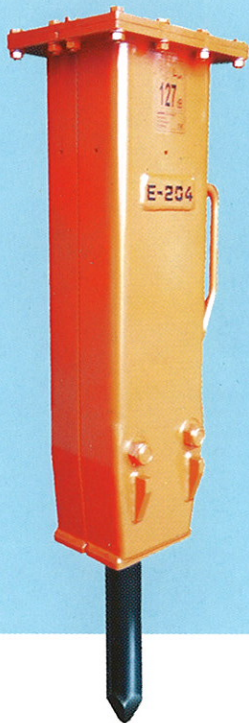
# NPK<sup>®</sup> E-Series hydraulic hammers: more power and less noise



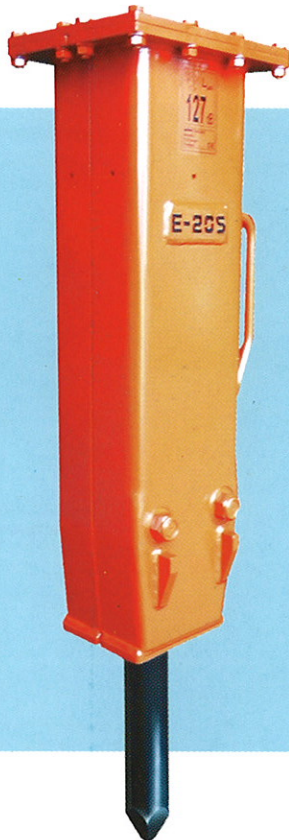
## Advantages

- 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.
- Designed with sealed gas (N<sub>2</sub>) chamber - no rubber bladder accumulators.
- All models easily adapted to underwater operation.
- 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.





**E-204**



**E-205**



**E-206**



**E-207**

**Improved performance**

After the successful H-Series Hydraulic Hammers, **NPK** proves her innovative policy with a complete new range of E-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. The new Enviro case reduces noise level and vibration: measured according to the latest European standards, EN ISO 3744 ('95), directive 2000/14/EC, in soundproof version.



**Technical Specifications:**

Model	<b>NPK</b>	E-102	E-106	E-200	E-201	E-202	E-203	E-204	E-205	E-206	E-207
Excavator weight	ton	0.5	0.7~1.0	1.2~2.0	1.5~3.0	2.2~3.5	2.7~4.5	4~9	6~12	9~14	12~18
Operating weight	kg	39	62	110	125	205	260	410	540	950	1070
Length with chisel	mm	798	872	1038	1074	1241	1303	1443	1682	1919	1943
Oil flow	L/min	10~12	15~20	10~25	15~35	25~50	30~65	45~100	50~120	80~130	90~150
Blow frequency	bpm	920~1100	900~1200	480~1200	500~1200	600~1200	560~1200	530~1200	430~1050	500~840	500~840
Min. excavator pressure	Mpa	15 ~	15 ~	18 ~	18 ~	18 ~	18 ~	18 ~	18 ~	18 ~	21 ~
Chisel diameter	mm	32	41	42	47	57	66	76	86	96	106

Technical specifications subject to change without prior notice.

**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*

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

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## Standard chisels

### Chisel (P)

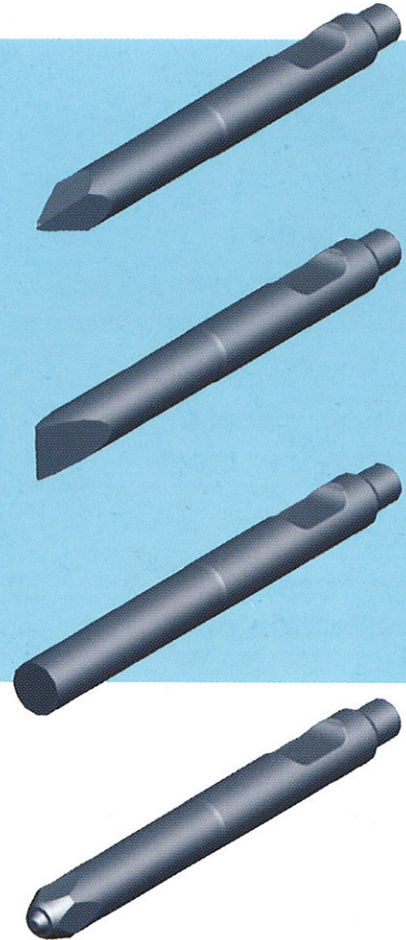
- Concrete breaking
- Highway construction
- General demolition

### 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 larger hammers for excavators of 14 - 110 ton!

The larger hammers have special rubber cushions which absorb vibration and protect the integrity of the excavator boom and arm.



- Full covering brochure available -



CRUSHERS



CRUNCHERS



MULTI PROCESSORS



COMBI SHEARS



DEMOLITION GRABS



COMPACTORS



SHEET PILERS



CE



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