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Products for Each Application

Rock Breaking / Trench Rock Removal



Hydraulic Hammers

E-106, GH-06, GH-07, GH-1, GH-2, GH-3, GH-4, GH-6, GH-7, GH-9, GH-10, GH-12, GH-15, GH-18, GH-23, GH-30, GH-40, GH-50

Building Demolition



Primary Crushers

X-1, X-3, X-4, X-7
S-16XC, S-23XC(R), S-24XC(R),
S-36XC(R), S-42XC(R), S-60XCR,
S-90XCR, SV-15X, SV-24X(R),
SV-36X(R), SV-47X(R), SV-65XR



Hydraulic Hammers

E-106, GH-06, GH-07, GH-1, GH-2, GH-3, GH-4, GH-6, GH-7, GH-9, GH-10, GH-12, GH-15, GH-18, GH-23, GH-30, GH-40, GH-50



Secondary Crushers

G-7, G-12J, G-17J, G-18J, G-28,
G-40, G-20MB, G-20JEL, G-30JEL,
G-21EH



Shears

K-7X,
K-3J, K-4J, K-7J, K-13J(R), K-23J(R),
K-24X(R), K-33X(R), K-42X(R),
K-24XA(R), K-33XA(R), K-42XA(R),
M-20K(F), M-28K, M-38K, K-65XR



Retrofitters

Y-2S, Y-2L
Z-1, Z-2, Z-3

Scrap Job



Shears

K-7X,
K-3J, K-4J, K-7J, K-13J(R), K-23J(R),
K-24X(R), K-33X(R), K-42X(R),
K-24XA(R), K-33XA(R), K-42XA(R),
M-20K(F), M-28K, M-38K, K-65XR

Recycling



Secondary Crushers

G-7, G-12J, G-17J, G-18J, G-28,
G-40, G-20MB, G-20JEL, G-30JEL,
G-21EH

Construction



Sheet Pile Drivers

HP-4SX, HP-7SX

Sorting work



Secondary Crushers

G-7, G-12J, G-17J, G-18J, G-28,
G-40, G-20MB, G-20JEL, G-30JEL,
G-21EH



Rotary Screens

RS-20B

For machines from the smallest carriers to middle class excavators

▶▶▶ **Excellent Power-to-weight Ratio.**



GH-4

Gas charged directing system

Produces adjustable impact energy, suitable for any job

Bracket attached directly to the cylinder body

Increases bracket durability (GH-9 uses cushion rubber)

Quick-change chisel system with donut ring

Bottom nut design

Allows for easier replacement of side bolts



GH-9

E-106
GH-06
GH-07
GH-1
GH-2
GH-3
GH-4
GH-6
GH-7
GH-9

Please contact NPK for special applications such as hot environment or underwater applications.

	Oil pressure from excavator	Oil flow	Frequency	Length with chisel	Mass with chisel	Total Mass with bracket	Recommendable excavator's mass
	MPa	L/min	b.p.m.	mm	kg	kg	ton
E-106	10~12	15~20	900~1200	832	36	47	0.7~1.0
GH-06	12~14	10~25	480~1200	1023	65	83	1.0~1.8
GH-07	10~12	15~35	500~1200	1066	75	94	1.3~2.7
GH-1	12~14	25~50	550~1100	1200	116	147	2.0~3.5
GH-2	15~17	25~60	500~1200	1289	156	190	3.0~5.5
GH-3	11~13	45~100	500~1150	1416	229	311	4.0~8.0
GH-4	13~15	50~120	400~1000	1682	377	472	6.0~9.0
GH-6	15~17	90~150	450~800	1950	576	863	10~16
GH-7	15~18	100~180	400~750	2206	650	1300	14~18
GH-9	15~18	150~200	500~650	2341	840	1410	19~21

Specifications subject to change without notice.

For machines from middle to large class excavators

▶▶▶ **Innovation in Durability.**
Higher Impact Energy gives superior performance



GH-12

Gas charged directing system

Gives adjustable impact energy for any job

Vibration induction equipped with Cushion Rubber system

Insures comfortable usability for operators and a reduced noise emission.



**GH-10
GH-12
GH-15
GH-18**

★ **Two types of bracket available : horizontal or vertical bracket.**
Choose the suitable one for your job !

	Oil pressure from excavator	Oil flow	Frequency	Length with chisel	Mass with chisel	Total Mass with vertical bracket	Recommendable Excavator's mass
	MPa	L/min	b.p.m.	mm	kg	kg	ton
GH-10	15~17	165~210	430~550	2521	990	1810	19~21
GH-12	15~17	170~220	400~520	2736	1230	2355	22~28
GH-15	15~17	200~250	350~450	2933	1485	2860	29~38
GH-18	15~17	220~290	300~400	3064	1815	3350	39~48

Specifications subject to change without notice.

For machines from large class to super jumbo excavators

►►► **Suitable for Quarry and Demolition work**



GH-30

Gas charged directing system

Produces adjustable impact energy, suitable for any job



Vibration Induction equipped with Cushion Rubber system

Insures comfortable usability for operators and a reduced noise emission.

GH-23
GH-30
GH-40
GH-50



**Underwater Type
(special application)**

	Oil pressure from excavator	Oil flow	Frequency	Length with chisel	Mass with chisel	Total Mass with vertical bracket	Recommendable Excavator's mass
	MPa	L/min	b.p.m.	mm	kg	kg	ton
GH-23	16~18	250~320	300~400	3171	2240	4525	50~60
GH-30	16~18	280~350	310~390	3468	2640	5470	60~80
GH-40	16~18	300~400	240~330	3754	3850	7750	90~110
GH-50	15~17	350~450	210~280	4133	5750	11300	120

Specifications subject to change without notice.

Hammers with low noise could work suitable for urban areas

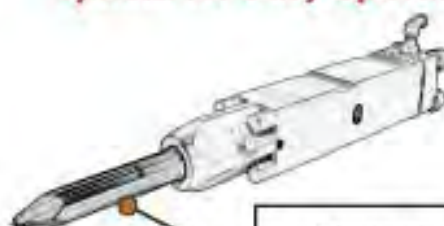
High Power and High Speed

NPH-4500L

NPH-3500

NPH-4500L

▶▶▶ **Equipped with anti blank hammering system for easy operation**



Easy chisel replacement

	Air Pressure	Air Consumption	Frequency	Length with chisel	Mass with chisel	Compressor	Recommendable Excavator's mass
	MPa	L/min	b.p.m.	mm	kg		ton
NPH-3500	0.6	5.0	530	1202	260	50PS class	6~9
NPH-4500L	0.6	7.2	500	1392	485	75PS class	10~16

Specifications subject to change without notice.

Chisels



Chisel (P)

Demolition Point Chisel

Purposes : • Concrete demolition
• Rock breaking
• Hardpan breaking
• Road repaving



Chisel (FX)

Flat Chisel

Purposes : • Trench work
• Slope surface breaking

☆ **Good wear resistance and durability.**



Chisel (E)

Flat End Chisel

Purposes : • Secondary breaking
• Slag removing



Chisel (PC)

Core Chisel®

Purposes : • Bedrock breaking
• Hard material breaking

Excavator List for Hydraulic / Pneumatic Hammers

Hydraulic Hammers	GH-06		GH-07			GH-1		GH-2		GH-3		GH-4	
	E-106												
Pneumatic Hammers											NPH-3500		
Mass (t) Manufacturers	0.7 ~0.8	1.0	1.3 ~1.8	2.0	2.5 ~2.7	3.0	3.5	4.0	4.5 ~5.5	6~8	9		
Cat	008CR	010CR	301.5CR	302CCR		303CCR	303.5CCR	304CCR	305CCR	307D 3080CR			
Hitachi	ZX8u	ZX10U	ZX17U	ZX20U	ZX27U	ZX30U	ZX35U	ZX40U	ZX50U	ZX7D ZX75US			
Hokuetsu	AX08u	AX10u	AX17u	AX20u	AX27u	AX30u	AX35u	AX40u	AX50u				
IHI	8VX		15VX	20VX	25VX	30VX	35VX 35NX2	40VXL 40NX2	45VX, 50VX 55VX	60VX			
Kato										HD307 HD308US			
Kobelco	SK10SR SK008		SK15SR	SK20SR	SK27SR	SK30SR	SK35SR	SK40SR	SK50SR	SK70SR SK75SR+			
Komatsu	PC09	PC10MR	PC16MR	PC20MR	PC27MR	PC30MR	PC35MR	PC40MR	PC55MR	PC76US			
Kubota	U008	U10	U15	U20	U25	U30	K35 U35	U40	U50	K70 K75US			
Nagano	NS08		NS15 NS16	NS22	NS25		NS35 NS35R		NS55 NS55R	NS75			
Sumitomo										SH75X			
Takeuchi	TB108		TB014 TB016		TB125 TB20R		TB135		TB145	TB175			
Yanmar	5V08 J09	Vio10	Vio17	Vio20	Vio27	Vio30	Vio35	Vio40	Vio50	Vio70			

GH-6		GH-7	GH-9, GH-10		GH-12		GH-15	GH-18	GH-23	GH-30	GH-40 GH-50(120)
NPH-4500L											
10~16		17~18	19~21		22~28		29~38	39~48	50~55	60~80	90 ~110
311DRR 3120 313DCR	314DCR 3150		320D 320DRR	321DCR	322D	324D 329D	336D	345D		365C 385C	
ZX110 ZX120 ZX135US	ZX160		ZX200	ZX225US ZX225USR	ZX230 ZX240	ZX270	ZX330 ZX400H ZX350	ZX450 ZX470H	ZX500 ZX520H	ZX650 ZX670H ZX850 ZX870H	EX1200 EX1900(120)
HD512 HD513MR			HD820	HD823MR	HD1023		HD1430	HD2045			
SK125SR SK130SR+ SK135SR			SK200 SK210	SK225SR SK235SR		SK250 SK260	SK330 SK350	SK460 SK480		SK650	
PC120 PC128US PC130 PC138US	PC160		PC200 PC228US	PC210	PC220 PC230		PC300 PC350	PC400 PC450		PC600 PC650 PC800 PC850	PC1250(120) PC2000(120)
K110 K120 K135US			K200	K225US K225USR	K240						
SH120 SH125X SH135X			SH200	SH225X	SH240		SH330 SH350HD	SH460HD		SH700LHD SH800	
TB1140											

A full line of models are available for use on mini to large excavators



BEAK EDGE

Imaged after the bill of a Raptor, like a sword point



S-23XC

- ▶▶▶ The BEAK EDGE design is a brand new idea by NPK which allows much easier demolishing force and the fastest cycle time.
- ▶▶▶ It can demolish with ease, thru the combination of the BEAK EDGE and the intermediate semicircle-shaped blade which cuts into concrete and breaks it lengthwise.

Equipped with NPK's exclusive Intensifier System

Provides comfortable usability for operators and a reduced noise emission.

S-13XC
S-16XC
S-23XC(R)
S-24XC(R)
S-36XC(R)
S-42XC(R)
S-60XC(R)
S-60XCR
S-90XCR

※(R) means Hydraulic rotation type. S-60XCR and S-90XCR are Hydraulic rotation type

*means with cutter

	Crushing force at tip	Max./Min. Opening	Preset pressure of built-in Relief Valve	Oil flow	Mass	Recommendable excavator's mass
	kN	mm	MPa	L/min	kg	ton
*S-13XC	660	810/0	25	80~150	1380	10~16
*S-16XC	710	850/0	25	80~150	1530	10~16
*S-23XC(R)	890	1020/0	28	100~200	2240(2290)	19~21
*S-24XC(R)	1000	1120/0	25	100~200	2400(2450)	19~21
*S-36XC(R)	1400	1355/0	25	150~250	3610(3680)	29~38
*S-42XC(R)	1520	1500/0	25	175~275	4400(4420)	39~48
S-60XCR	1860	1600/0	25	200~300	5700	39~48
S-90XCR	2190	2100/0	30	200~300	8900	75~100

Mass of S-90XCR is without swivel top. Specifications subject to change without notice.

Mini crusher that can crush and cut



360° rotation system for easy positioning

X-1

Rebar cutter is equipped as standard

- ▶▶▶ Equipped with NPK's exclusive pressure Intensifier System, providing maximum crushing force and fast cycle time.

Symmetrical opening and closing motion

Makes easy to operate without uncomfortable feeling

Crush small objects or thin walls

X-1
X-3
X-4
X-7

	Crushing force at tip	Max./Min. Opening	Preset pressure of built-in Relief Valve	Oil flow	Mass	Recommendable excavator's mass
	kN	mm	MPa	L/min	kg	ton
X-1	240	260/0	-	20~30	113	1.3~1.8
X-3	320	360/0	21	30~50	250	2.5~3.5
X-4	330	460/0	21	30~50	350	3.5~5.5
X-7	470	550/0	25	50~80	650	6.0~9.0

Specifications subject to change without notice.



The sharp BEAK EDGE cuts keenly into concrete

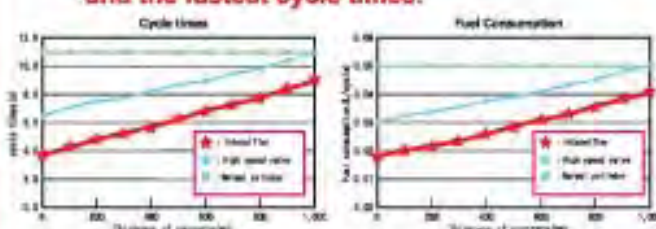


Furthermore, a semicircle-shaped intermediate blade transmits power into the concrete at any given angle and creates a crack



The wedge-shaped design of the blade arm then breaks the concrete lengthwise

NPK's exclusive Intensifier System provides for maximum crushing force and the fastest cycle times.



This unique arm shape in conjunction with the Intensifier System creates a dual effect which increases both work efficiency and energy savings

A full line of models are available for use on mini to large excavators

- ▶▶▶ Much more powerful crush power adapted two cylinder system
- ▶▶▶ Remarkably improved mobility with superior right-left balance
- ▶▶▶ Work safely and speedy by quick movement
- ▶▶▶ Less stretchability for operating arm opening and closing



SV-47X



Equipped with NPK's exclusive Intensifier System

Provides comfortable usability for operators and a reduced noise emission.

SV-15X
SV-24X(R)
SV-36X(R)
SV-47X(R)
SV-65XR

※(R) means Hydraulic rotation type

	Crushing force at tip	Max./Min. Opening	Preset pressure of built-in Relief Valve	Oil flow	Mass	Recommendable excavator's mass
	kN	mm	MPa	L/min	kg	ton
SV-15X	700	950/0	28	80~150	1550	10~16
SV-24X(R)	1100	1100/0	28	100~200	2400(2450)	19~21
SV-36X(R)	1400	1360/0	28	150~250	3710(3760)	29~38
SV-47X(R)	1600	1600/0	26	175~275	4620(4640)	39~48
SV-65XR	2140	2000/0	26	200~300	6625	60~70

Mass of SV-65XR is without swivel top. Specifications subject to change without notice.

Excavator List for Primary Crushers

Primary Crushers	X-1	X-3			X-4		X-7		S-13XC, S-16XC SV-15X	
Mass (t) Manufacturers	1.3 ~1.8	2.5 ~2.7	3.0	3.5	4.0	4.5 ~5.5	6~8	9	10~16	
Cat	301, 5CR		303CCR	303, 5CCR	304CCR	305CCR	307D 308DCR		3110RR 312D 313DCR	314DCR 315D
Hitachi	ZX17U	ZX27U	ZX30U	ZX35U	ZX40U	ZX50U	ZX70 ZX75US		ZX110 ZX120 ZX135US	ZX160
Hokutsu	AX17u	AX27u	AX30u	AX35u	AX40u	AX50u				
IHI	15VX	25VX	30VX	35VX 35NX2	40VXL 40NX2	45VX, 50VX 55VX	80VX			
Kato							HD307 HD308US		HD512 HD513MR	
Kobelco	SK15SR	SK27SR	SK30SR	SK35SR	SK40SR	SK50SR	SK70SR SK75SR+		SK125SR SK130SR+ SK135SR	
Komatsu	PC16MR	PC27MR	PC30MR	PC35MR	PC40MR	PC55MR	PC76US		PC120 PC128US PC130 PC138US	PC160
Kubota	U15	U25	U30	K35 U35	U40	U50	K70 K75US		K110 K120 K135US	
Nagano	NS15 NS16	NS25		NS35 NS35R		NS55 NS55R	NS75			
Sumitomo							SH75X		SH120 SH125X SH135X	
Takeuchi	TB014 TB016	TB125 TB20R		TB135		TB145	TB175		TB1140	
Yanmar	Vio17	Vio27	Vio30	Vio35	Vio40	Vio50	Vio70			

MEMO

S-23XC, S-24XC SV-24X		S-36XC, S-42XC S-60XCR SV-36X, SV-47X		SV-65XR(60-70) S-90XCR(75-100)	
19~21		29~38	39~48	60~80	90 ~110
320D 320DRR	321DCR	336D	345D	365C 385C	
ZX200	ZX225US ZX225USR	ZX330 ZX400R ZX350	ZX450 ZX470H	ZX650 ZX670H ZX850 ZX870H	EX1200 EX1900(120)
HD820	HD823MR	HD1430	HD2045		
SK200 SK210	SK225SR SK235SR	SK330 SK350	SK460 SK480	SK850	
PC200 PC228US	PC210	PC300 PC350	PC400 PC450	PC600 PC650 PC800 PC850	PC1250(120) PC2000(120)
K200	K225US K225USR				
SH200	SH225X	SH330 SH350HD	SH460HD	SH700LHD SH800	





G-18J

Permits faster secondary demolition and concrete recycling
Easier compaction of rebars and material handling

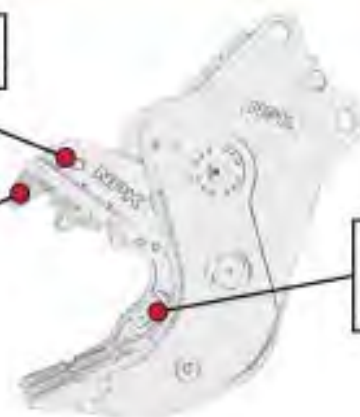
- ▶▶▶ Equipped with NPK's exclusive pressure Intensifier System, providing maximum crushing force and fast cycle time !
- ▶▶▶ Light weight and quick action

G-7
G-12J
G-17J
G-18J
G-28J
G-40

Best shape for rebar compacting

Wide jaw for grabbing concrete and other material

Equipped with rebar cutter in all models as standard



※J means changeable teeth type

	Crushing force at tip	Max./Min. Opening	Preset pressure of built-in Relief Valve	Oil flow	Mass	Recommendable excavator's mass
	kN	mm	MPa	L/min	kg	ton
G-7	450	515/0	21	50~80	740	6~9
G-12J	690	775/0	28	80~150	1160	10~16
G-17J	670	810/0	26	100~200	1660	19~21
G-18J	820	815/0	26	100~200	1997	19~21
G-28J	1170	1000/0	28	100~250	2900	25~38
G-40	1240	1130/0	30	175~275	3800	39~48

Specifications subject to change without notice.



Permanent Magnet type

Secondary Crushers



G-20MB

G-20MB

No external power supply or a generator required

- ▶▶▶ Equipped with NPK's exclusive pressure Intensifier System, providing maximum crushing force and fast cycle time !
- ▶▶▶ Magnet on/off is achieved by the opening and closing of the jaw.
(Magnet can be set to be always off)

	Crushing force at tip	Max./Min. Opening	Preset pressure of built-in Relief Valve	Oil flow	Mass	Magnet Size	Recommendable excavator's mass
	MPa	mm	MPa	L/min	kg	mm	ton
G-20MB	651	840/0	26	100~200	2150	458 x 310	19~21

Specifications subject to change without notice.

Electro Magnet type

Secondary Crushers



G-20JEL

G-20JEL

G-30JEL

**No generator is required
(Electric power is supplied from the excavator's battery)**

- ▶▶▶ Equipped with NPK's exclusive pressure Intensifier System, providing maximum crushing force and fast cycle time !
- ▶▶▶ The adsorption power of the electro-magnet is 1.5 times more powerful than the permanent magnet.
- ▶▶▶ Changeable teeth type.

	Crushing force at tip	Max./Min. Opening	Preset pressure of built-in Relief Valve	Oil flow	Mass	Magnet Size	Recommendable excavator's mass
	kN	mm	MPa	L/min	kg	mm	ton
G-20JEL	670	810/0	26	100~200	1915	600	19~21
G-30JEL	1170	1000/0	28	100~250	3300	700	29~38

Specifications subject to change without notice.

Excavator List for Secondary Crushers

Secondary Crushers	G-7		G-12J		G-17J, G-18J G-20MB G-20JEL, G-21EH		G-28J(25-38)		G-40	
							G-30JEL			
Mass(t) Manufacturers	6~8	9	10~16		19~21		22~28		29~38	39~48
Cat	307D 308DCR		311DRR 312D 313DCR	314DCR 315D	320D 320DRR	321DCR	322D	324D 329D	336D	345D
Hitachi	ZX70 ZX75US		ZX110 ZX120 ZX135US	ZX160	ZX200	ZX225US ZX225USR	ZX230 ZX240	ZX270	ZX330 ZX400R ZX350	ZX450 ZX470H
Hokuetsu										
IHI	80VX									
Kato	HD307 HD30BUS		HD512 HD513MR		HD620	HD623MR	HD1023		HD1430	HD2045
Kobelco	SK70SR SK75SR+		SK125SR SK130SR+ SK135SR		SK200 SK210	SK225SR SK235SR		SK250 SK260	SK330 SK350	SK460 SK480
Komatsu	PC78US		PC120 PC128US PC130 PC138US	PC160	PC200 PC228US	PC210	PC220 PC230		PC300 PC350	PC400 PC450
Kubota	K70 K75US		K110 K120 K135US		K200	K225US K225USR	K240			
Nagano	NS75									
Sumitomo	SH75X		SH120 SH125X SH135X		SH200	SH225X	SH240		SH330 SH350HD	SH460HD
Takeuchi	TB175		TB1140							
Yanmar	Via70									

MEMO



360° rotation system
for easy positioning

M-28U

Multi-usable and available in all job

►►► Usable for all job : dismantling concrete structures, secondary demolition, and collecting/bundling reinforcing rods



Equipped with rebar cutter in all models as standard

M-20U

M-28U

M-38U

	Crushing force at tip	Max. Opening	Preset pressure of built-in Relief Valve	Oil flow	Mass	Recommendable excavator's mass
	kN	mm	MPa	L/min	kg	ton
M-20U	750	850	25	100~200	2330	19~21
M-28U	1000	1000	25	150~250	3420	29~38
M-38U	1300	1190	25	175~275	4630	39~48

Specifications subject to change without notice.

Excavator List for Multi Processors

	M-20U		M-28U	M-38U
Manufacturer	19~21		29~38	39~48
Cat	320D 320DRR	321DCR	336D	345D
Hitachi	ZX200	ZX225US ZX225USR	ZX330, ZX350 ZX400R	ZX450 ZX470H
Kato	HD820	HD823MR	HD1430	HD2045
Kobelco	SK200 SK210	SK225SR SK235SR	SK330 SK350	SK460 SK480
Komatsu	PC200 PC228US	PC210	PC300 PC350	PC400 PC450
Kubota	K200	K225US K225USR		
Sumitomo	SH200	SH225X	SH330 SH350HD	SH460HD





Permits easier rebar cutting, demolishing steel-frame building and scrapping

▶▶▶ Equipped with NPK's exclusive pressure Intensifier System, providing maximum crushing force and fast cycle time !

▶▶▶ No gas cutting, no concern about fire !

K-7X

K-3J

K-4J

K-7J

K-13J(R)

K-23J(R)

K-24X(R)

K-33X(R)

K-42X(R)

K-24XA(R)

K-33XA(R)

K-42XA(R)

K-23J

Suitable blade shape

for holding slippery material

360° rotation system

for easy positioning

★One-edged blade drive type with one cylinder (K-3J, 4J, 7J, 13J, 23J)



★Double-edged blade drive type with one cylinder (K-7X)



★Double edged blade drive type with two cylinders (K-24X(R), K-33X(R), K-42X(R), K-24XA(R), K-33XA(R), K-42XA(R))

※(R) means Hydraulic rotation type

	Cutting force	Max. Opening	Length of cutter	Preset pressure of built-in Relief Valve	Oil flow	Mass	Recommendable excavator's mass
	kN	mm	mm	MPa	L/min	kg	ton
K-3J	716	340	220	18	30~50	280	2.5~3.5
K-4J	785	400	260	18	30~50	370	3.5~5.5
K-7J	1290	530	340	21	50~80	680	6~9
K-13J(R)	2500	530	440	25	80~150	1380(1600)	10~16
K-23J(R)	2700	585	500	26	100~200	2350(2390)	19~21
K-24X(R)	2600	780	460	28	100~200	2375(2425)	19~21
K-33X(R)	3200	825	530	28	150~250	3280(3330)	29~38
K-42X(R)	3900	920	560	28	200~300	4080(4130)	39~48
K-24XA(R)	2600	690	460	28	100~200	2400(2450)	19~21
K-33XA(R)	3200	700	530	28	150~250	3280(3330)	29~38
K-42XA(R)	3900	790	560	28	200~300	4080(4130)	39~48
K-7X	1400	500	400	17.5	50~80	728	6~9

Specifications subject to change without notice.

M Series

Shears



Jaws open/close completely functional throughout full 360° continuous power rotation

M-20K

※(F) means free rotation type

M-20K(F)

M-28K

M-38K

The dual cylinder provides more constant piercing force at the tip throughout the jaw open/close cycle

- ▶▶▶ Unique jaw design pulls and traps material that usually slips out of shear jaws and guides the material into the cutting blades



Dual cylinder design

Works well even in confined spaces
Allows less space requirements than single cylinder designs

	Crushing force at tip	Max. Opening	Preset pressure of built-in Relief Valve	Oil flow	Mass	Recommendable excavator's mass
	kN	mm	MPa	L/min	kg	ton
M-20K(F)	810	535	25	100~200	2600(2040)	19~21
M-28K	1190	640	25	150~250	3250	29~38
M-38K	1510	755	25	175~275	4260	39~48

Specifications subject to change without notice.

Heavy-duty type

Shears



K-65XR

K-65XR

A large-scale object is easily cut

- ▶▶▶ Equipped with NPK Exclusive Intensifier system in Cylinder
- ▶▶▶ 360° rotation system for easy positioning
- ▶▶▶ Greatest cutting power : one-edged blade drive type with one cylinder
- ▶▶▶ Higher-grade cutting capability with direct installation into an arm of hydraulic excavator

	Crushing force at tip	Max./Min. Opening	Preset pressure of built-in Relief Valve	Oil flow	Mass	Recommendable excavator's mass
	kN	mm	MPa	L/min	kg	ton
K-65XR	3300	836/0	30	300	6900	29~38

Specifications subject to change without notice.

Excavator List for Shears

Shears	K-3J		K-4J			K-7X, K-7J		K-13J	
Mass(t) Manufacturers	2.5 ~2.7	3.0	3.5	4.0	4.5 ~5.5	6~8	9	10~16	
Cat		303CCR	303.5CCR	304CCR	305CCR	307D 308DCR		311DRR 312D 313DCR	314DCR 315D
Hitachi	ZX27U	ZX30U	ZX35U	ZX40U	ZX50U	ZX70 ZX75US		ZX110 ZX120 ZX135US	ZX160
Hokutsu	AX27u	AX30u	AX35u	AX40u	AX50u				
IHI	25VX	30VX	35VX 35NX2	40VXL 40NX2	45VX, 50VX 55VX	80VX			
Kato						HD307 HD30BUS		HD512 HD513MR	
Kobelco	SK27SR	SK30SR	SK35SR	SK40SR	SK50SR	SK70SR SK75SR+		SK125SR SK130SR+ SK135SR	
Komatsu	PC27MR	PC30MR	PC35MR	PC40MR	PC55MR	PC78US		PC120 PC128US PC130 PC138US	PC160
Kubota	U25	U30	K35 U35	U40	U50	K70 K75US		K110 K120 K135US	
Nagano	NS25		NS35 NS35R		NS55 NS55R	NS75			
Sumitomo						SH75X		SH120 SH125X SH135X	
Takeuchi	TB125 TB20R		TB135		TB145	TB175		TB1140	
Yanmar	Vio27	Vio30	Vio35	Vio40	Vio50	Vio70			

MEMO

K-23J, K-24X K-24XA, M-20K		K-33X K-33XA M-28K K-65XR	K-42X K-42XA M-38K
19~21		29~38	39~48
320D 320DRR	321DCR	336D	345D
ZX200	ZX225US ZX225USR	ZX330 ZX400R ZX350	ZX450 ZX470H
HD820	HD823MR	HD1430	HD2045
SK200 SK210	SK225SR SK235SR	SK330 SK350	SK460 SK480
PC200 PC228US	PC210	PC300 PC350	PC400 PC450
K200	K225US K225USR		
SH200	SH225X	SH330 SH350HD	SH460HD



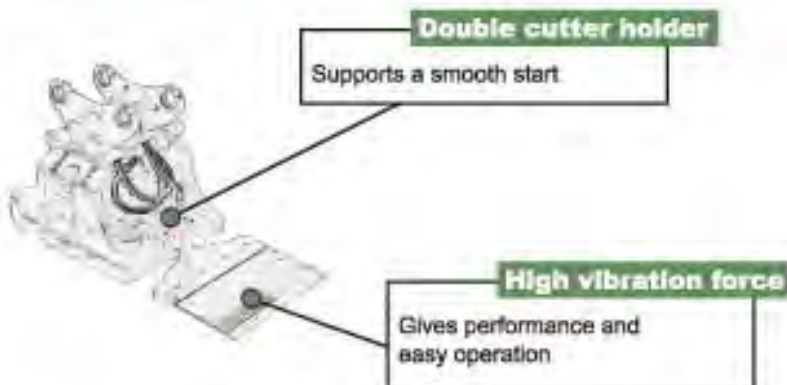
Retrofitters

Vibration Scrapers



Y-2S
Y-2L

Easy-to-use machine for peeling floor and sidewall surfaces



	Working pressure	Oil flow	Frequency	Vibration force	Mass	Height	Recommendable excavator's mass
	MPa	L/min	Hz	kN	kg	mm	ton
Y-2S	14	30	33	5	134	535	1.3~1.8
Y-2L	14	30	33	5	137	547	2.0~3.0

Specifications subject to change without notice.

Excavator List for Vibration Scrapers

Mass(t) Manufacturer	Y-2S	Y-2L		
	1.3~1.8	2.0	2.5~2.7	3.0
Cat	301.5CR	302CCR		303CCR
Hitachi	ZX17U	ZX20U	ZX27U	ZX30U
Hokuetsu	AX17u	AX20u	AX27u	AX30u
IHI	15VX	20VX	25VX	30VX
Kobelco	SK15SR	SK20SR	SK27SR	SK30SR
Komatsu	PC18MR	PC20MR	PC27MR	PC30MR
Kubota	U15	U20	U25	U30
Nagano	NS15, NS16	NS22	NS25	
Takeuchi	TB014, TB016		TB125, TB20R	
Yanmar	Vio17	Vio20	Vio27	Vio30



Z-1

Z-1
Z-2
Z-3

Symmetrical opening and closing motion

Makes easy to operate without uncomfortable feeling

An attachment for pinching and cutting light material

→ → → Classifying material easy by suitable shape for jaw



360° rotation systems for easy positioning

Capable of cutting thin sheet material and up to 30mm angle bar

	Force at tip	Max./Min. Opening	Working pressure	Oil flow	Mass	Recommendable excavator's mass
	kN	mm	MPa	L/min	kg	ton
Z-1	55.7	304/0	21	20~30	110	1.3~1.8
Z-2	70	355/0	21	40~60	195	2.0~2.7
Z-3	120	420/0	27	50~70	280	3.0~3.5

Specifications subject to change without notice.

Excavator List for Pinch Cutters

Mass (t) Manufacturer	Z-1	Z-2		Z-3	
	1.3~1.8	2.0	2.5~2.7	3.0	3.5
Cat	301, 5CR	302CCR		303CCR	303, 5CCR
Hitachi	ZX17U	ZX20U	ZX27U	ZX30U	ZX35U
Hokuetsu	AX17u	AX20u	AX27u	AX30u	AX35u
IHI	15VX	20VX	25VX	30VX	35VX, 35NX2
Kobelco	SK15SR	SK20SR	SK27SR	SK30SR	SK35SR
Komatsu	PC16MR	PC20MR	PC27MR	PC30MR	PC35MR
Kubota	U15	U20	U25	U30	K35, U35
Nagano	NS15, NS16	NS22	NS25		NS35, NS35R
Takeuchi	TB014, TB016		TB125, TB20R		TB135
Yanmar	Vio17	Vio20	Vio27	Vio30	Vio35



RS-20B

RS-20B

Good for removing or screening soil and sand or waste material

- ▶▶▶ Able to rotate clockwise and counterclockwise.
- ▶▶▶ The rotary screen prevents material from jamming, ensuring a continued operation
- ▶▶▶ No need for drain piping

Sidewall and base plane screens

Enables great performance



Adjustable rotation speed

A variety of mesh size available for user requirements

Teeth are equipped as standard for easy scooping of material

	Working Pressure	Oil flow	Cycle per minute of screen	Screen capacity	Screen size (standard)	Mass	Recommendable excavator's mass
	MPa	L/min	r.p.m.	m ³	mm	kg	ton
RS-20B	14	90	30	0.9	50	1590	17~21

Specifications subject to change without notice.

Excavator List for Rotary Screens

Manufacturer	Mass(t)	RS-20B	
		17~18	19~21
Cat			320D 320DRR 321DCR
Hitachi			ZX200 ZX225US ZX225USR
Kato			HD820 HD823MR
Kobelco			SK200 SK210 SK225SR SK235SR
Komatsu			PC200, PC228US PC210
Kubota			K200 K225US K225USR
Sumitomo			SH200 SH225X





HP-4SX

HP-4SX
HP-7SX

Cushion rubbers reduce vibration transmitted to excavator



90° rotation system

- Enables easy positioning
- HP-4SX has a 360° free rotation system

Good for driving and pulling sheet piles especially urban area or narrow places

- ▶▶▶ Saving time by clamping sheet pile directly with setting down the piler chuck section
- ▶▶▶ HP-4SX authorized as a low noise construction machine by MLIT Ministry of Land, Infrastructure, Transport and Tourism, in Japan.
- ▶▶▶ Save your money !
No need for cranes nor compressors.

	Working Pressure	Oil flow	Vibration force	Frequency	Mass	Total Mass with extension arm	Recommendable excavator's mass
	MPa	L/min	kN	Hz	kg	kg	ton
HP-4SX	~15	~120	82	50	736	896	10~16
HP-7SX	~12	~200	104	40	1050	1320	17~21

Specifications subject to change without notice.

Excavator List for Sheet Pile Drivers

Manu- facturer	Mass(t)	HP-4SX		HP-7SX	
		10~16		17~18	19~21
Cat		311DRR, 312D 313DCR	314DCR 315D		320D 320DRR 321DCR
Hilachi		ZX110, ZX120 ZX135US	ZX160		ZX200 ZX225US ZX225USR
Kato		HD512 HD513MR			HD820 HD823MR
Kobelco		SK125SR, SK130SR+ SK135SR			SK200 SK210 SK225SR SK235SR
Komatsu		PC120, PC128US PC130, PC138US	PC160		PC200 PC228US PC210
Kubota		K110, K120 K135US			K200 K225US K225USR
Sumitomo		SH120, SH125X SH135X			SH200 SH225X
Takeuchi		TB1140			

Excavator List

Hydraulic Hammers	E-106		GH-06		GH-07		GH-1		GH-2		GH-3		GH-4	
Pneumatic Hammers												NPH-3500		
Primary Crushers				X-1		X-3			X-4			X-7		
Secondary Crushers												G-7		
Shears						K-3J			K-4J			K-7X, K-7J		
Shears Heavy-duty														
Multi- Processors														
Retro- fitters				Z-1 Y-2S		Z-2 Y-2L			Z-3					
Rotary Screen														
Sheet Pile Drivers												HP-2SX		
Mass Manufacturers	0.4 ~0.5	0.7 ~0.8	1.0	1.3 ~1.8	2.0	2.5 ~2.7	3.0	3.5	4.0	4.5 ~5.5	6~8	9		
Cat	005	008CR	010CR	301.5CR	302CCR		303CCR	303.5CCR	304CCR	305CCR	307D 308DCR			
Hitachi		ZX8u	ZX10U	ZX17U	ZX20U	ZX27U	ZX30U	ZX35U	ZX40U	ZX50U	ZX70 ZX75US			
Hokutsu		AX08u	AX10u	AX17u	AX20u	AX27u	AX30u	AX35u	AX40u	AX50u				
IHI		8VX		15VX	20VX	25VX	30VX	35VX 35NX2	40VXL 40NX2	45VX, 50VX 55VX	80VX			
Kato											HD307 HD308US			
Kobelco	SK005	SK10SR SK008		SK15SR	SK20SR	SK27SR	SK30SR	SK35SR	SK40SR	SK50SR	SK70SR SK75SR+			
Komatsu	PC01 PC05	PC09	PC10MR	PC16MR	PC20MR	PC27MR	PC30MR	PC35MR	PC40MR	PC55MR	PC78US			
Kubota	K005	U008	U10	U15	U20	U25	U30	K35 U35	U40	U50	K70 K75US			
Nagano		NS08		NS15 NS16	NS22	NS25		NS35 NS35R		NS55 NS55R	NS75			
Sumitomo											SH75X			
Takeuchi		TB108		TB014 TB016		TB125 TB20R		TB135		TB145	TB175			
Yanmar	SV05	SV08 J09	Vio10	Vio17	Vio20	Vio27	Vio30	Vio35	Vio40	Vio50	Vio70			

☆ Specifications subject to change without notice.

☆ Be sure to read an Instruction Manual before using each attachment.

GH-6		GH-7	GH-9 GH-10		GH-12		GH-15	GH-18	GH-23	GH-30	GH-40 GH-50(120)
NPH-4500L											
S-13XC, S-16XC SV-15X		S-23XC, S-24XC SV-24X				S-36XC SV-36X	S-42XC SV-47X S-60XCR			SV-65XR(60-70) S-90XCR(75-100)	
G-12J		G-17J, G-18J, G-20MB G-20JEL, G-21EH		G-28(25-38)		G-30JEL		G-40			
K-13J		K-23J, K-24X, K-24XA, M-20K				K-33X K-33XA M-28K		K-42X K-42XA M-38K			
						K-65XR					
			M-20U				M-28U	M-38U			
		RS-20B									
HP-45X		HP-75X									
10~16		17~18	19~21		22~28		29~38	39~48	50~55	60~80	90 ~110
3110RR 312D 313DCR	314DCR 315D		320D 3200RR	321DCR	322D	324D 329D	336D	345D		365C 385C	
ZX110 ZX120 ZX135US	ZX160		ZX200	ZX225US ZX225USR	ZX230 ZX240	ZX270	ZX330 ZX400R ZX350	ZX450 ZX470H	ZX500 ZX520H	ZX650 ZX670H ZX850 ZX870H	EX1200 EX1900(120)
HD512 HD513MR			HD820	HD823MR	HD1023		HD1430	HD2045			
SK125SR SK130SR+ SK135SR			SK200 SK210	SK225SR SK235SR		SK250 SK260	SK330 SK350	SK460 SK480		SK850	
PC120 PC128US PC130 PC138US	PC160		PC200 PC228US	PC210	PC220 PC230		PC300 PC350	PC400 PC450		PC600 PC650 PC800 PC850	PC1250(120) PC2000(120)
K110 K120 K135US			K200	K225US K225USR	K240						
SH120 SH125X SH135X			SH200	SH225X	SH240		SH330 SH350HD	SH460HD		SH700LHD SH800	
TB1140											

★NPK attachments can mount other excavators listed above. Please contact us for further information. (This excavator list is as of December, 2009)