

NPK[®]

Concrete crusher



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a division of Nippon Pneumatic Mfg. Co. Ltd. Osaka Japan

www.npke.eu

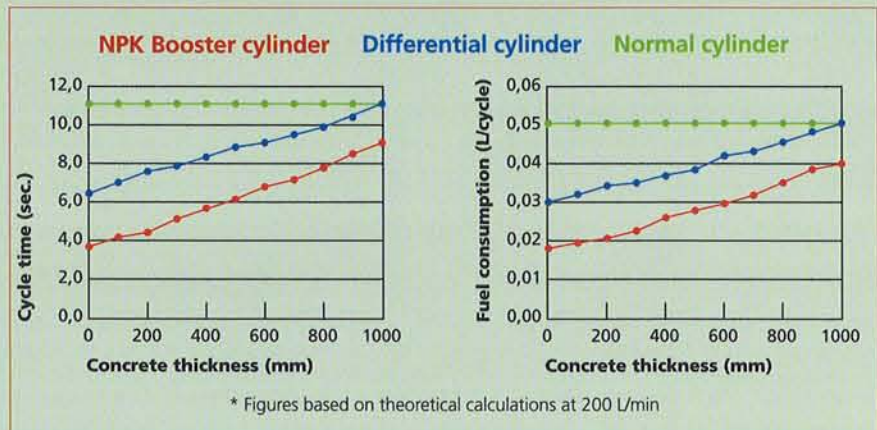
MORE POWER - MORE PRODUCTION

The main cylinder is designed so whenever the jaws meet resistance, the hydraulic booster is automatically activated. The pressure intensifier system has a relatively low oil flow; which produces faster cycle times and more crushing strength when compared to competitive crushers without a booster system. Additionally, other excavator's functions remain uninfluenced by this system. The integral booster reduces the total weight of the attachment, which allows a compact body design and affords ease of maintenance.



NPK POWERBOOSTER COMPARED WITH NORMAL CYLINDER AND DIFFERENTIAL CYLINDER*

Calculations show that the cycle time of a NPK booster cylinder defeats crushers with a normal cylinder or differential cylinder. The job is finished earlier, the profit is yours. Besides more production and more power, a shorter cycle time also results in less fuel consumption. A reduction of 25-50% per cycle is realistic!



FEATURES

- Only NPK offers an exclusive integrated booster system that automatically activates when the jaws meet resistance.
- Low weight, long reach.
- Large jaw opening.
- Arm/Dipperstick mounted.
- Piston rod and hoses fully protected inside the crusher's frame.
- Slim-line design.
- 9 Models available to suit excavators from 2-55 tons.
- Fast opening/closing times from 2.1 sec's, in unloaded condition, produces 28 cycles a minute.
- Most models have 360° free hydraulic rotation. S-3XC, S-4XC and S-7XC are standard with 360° mechanical rotation
- Maintenance friendly.
- Reinforced steel cutters are standard (Except S-60XCR).
- Low oil flow, ensures other functions of the excavator are not influenced.
- Excellent stability even for high-lift demolition.
- Reliable and efficient.
- No additional pressure reduction is required in the hydraulic system.



S-4XC

Excavator weight: 3,5 - 6 ton
rotation: 360° mechanical



S-7XC

Excavator weight: 6 - 9 ton
rotation: 360° mechanical



S-23XCR

Excavator weight: 19 - 21 ton
rotation: 360° hydraulic

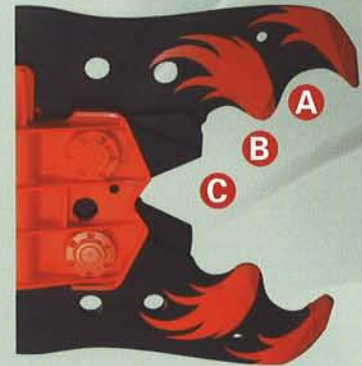


S-36XCR

Excavator weight: 29 - 38 ton
rotation: 360° hydraulic



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TECHNICAL SPECIFICATION

MODEL	Excavator weight t	Operating weight kg	Max. jaw opening mm	Working pressure MPa	Oil flow l/min	Rotation pressure MPa	Rotation oil flow l/min	Max. force (A) kN	Max. force (B) kN	Max. force (C) kN
S-3XC	2,5 - 3	275	370	21	30 - 50	X	X	300	450	650
S-4XC	3,5 - 6	370	470	21	30 - 50	X	X	320	500	750
S-7XC	6 - 9	700	570	21	50 - 80	X	X	440	750	1250
S-16XCR	14 - 18	1820	850	25	80 - 150	14	10 - 15	710	1150	1850
S-23XCR	19 - 21	2290	1020	28	100 - 200	14	10 - 15	890	1390	2910
S-26XBR	22 - 28	2650	1000	25	100 - 250	14	10 - 15	1100	1750	2750
S-36XCR	29 - 38	3680	1355	25	150 - 250	14	20 - 30	1400	2200	3800
S-42XCR	39 - 48	4420	1500	25	175 - 275	14	20 - 30	1520	2470	4200
S-60XCR	45 - 55	5700	1600	25	200 - 300	14	20 - 30	1860	3000	X

Specifications subject to change without prior notice

HIGH SPEED

MODEL	Opening time sec.	Closing time sec.	Total cycle time sec.	Number of cycles n/min	Oil flow l/min
S-3XC	0,9	1,2	2,1	28	50
S-4XC	1,3	1,5	2,8	21	50
S-7XC	1,7	1,9	3,6	16	80
S-16XCR	1,8	2,5	4,3	14	150
S-23XCR	2,0	2,5	4,5	13	200
S-26XBR	2,4	2,9	5,3	11	250
S-36XCR	2,9	3,8	6,7	9	250
S-42XCR	3,0	4,4	7,4	8	275
S-60XCR	3,9	5,7	9,6	6	300

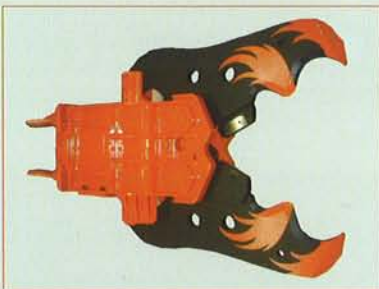
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LONG REACH DEMOLITION

Used in long reach demolition, the crushers show their advantages even more. The slim design offers better visibility for the operator and reduces the chance of debris falling into or onto the crusher.

Also the NPK Booster system is unaffected by the back pressure in the return hoses. This is extremely important, since back pressure in the long hoses can influence the correct functioning of the hydraulic system and causes loss of power and speed.



NEW SHAPE LEADS TO MORE PRODUCTIVITY

The shape of the arms of the NPK C-type crusher results in the improvement of the crushing ability and durability of the arms. The curved tip and sharp cutting edges lead to real cutting of the concrete, instead of crunching it.

Due to the sharp, hard faced tips and cutting edges, the arms cut more easily into the concrete than the conventional arm shape.

This combination of a new shape of the tips, the sharp cutting edges and the hard faced crushing area leads to more efficiency and productivity. Equipped with NPK booster system the new NPK C-type arms are providing maximum crushing force and a minimum of cycle times.



HYDRAULIC HAMMERS

CONCRETE CRUSHERS

CONCRETE CRUNCHERS



MULTI-PROCESSORS

DEMOLITION GRABS



COMPACTORS

X-Y-Z CONCEPT

SHEET PILERS

DEALER

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