

NPK[®]

**CONCRETE
CRUSHERS**



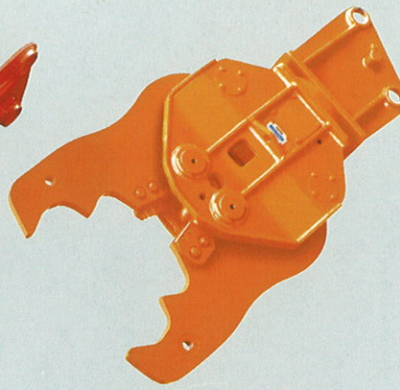
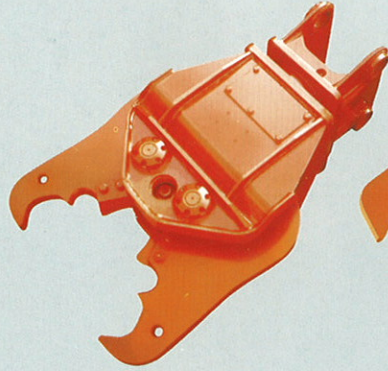
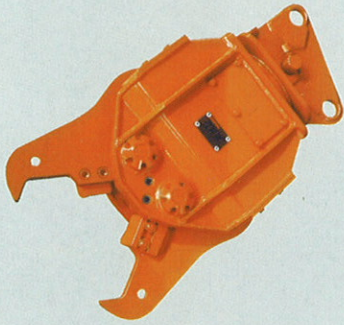
Unique technique!

S-3X

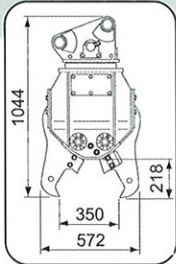
S-4XB

S-7XA

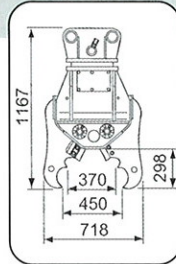
S-15XAR



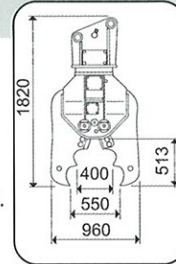
Excavator weight: 2-3 ton.
Max. crushing force: 65 ton.
Rotation: 360° mechanical.



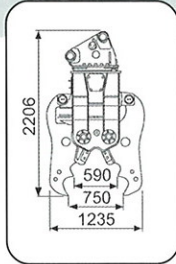
Excavator weight: 3-6 ton.
Max. crushing force: 75 ton.
Rotation: 360° mechanical.



Excavator weight: 6-10 ton.
Max. crushing force: 125 ton.
Rotation: 360° mechanical.



Excavator weight: 10-18 ton.
Max. crushing force: 185 ton.
Rotation: 360° hydraulic.



NPK® POWERBOOSTER

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.

Technical specifications:

Model	Excavator weight	Operating weight	Max. Jaw opening	Working pressure	Oil flow	Rotation pressure	Rotation oilflow	Max. Force (A)	Max. Force (B)	Max. Force (C)
	ton	kg	mm	MPa	l/min.	MPa	l/min.	ton	ton	ton
S-3X	2 - 3	275	350	21	30 - 50	-	-	30	45	65
S-4XB	3 - 6	375	450	21	30 - 50	-	-	35	50	75
S-7XA	6 - 10	700	550	21	50 - 80	-	-	45	75	125
S-15XAR ¹⁾	10 - 18	1760	750	25	80 - 150	14	10-15	75	115	185
S-22XAR ¹⁾	18 - 22	2300	850	28	100 - 200	14	10-15	100	160	225
S-26XBR ¹⁾	22 - 28	2738	1000	28	100 - 250	14	10-15	110	175	275
S-36XR	33 - 41	3730	1200	25	150 - 250	14	20-30	140	220	380
S-40XAR	40 - 50	4300	1300	25	175 - 275	14	20-30	170	277	420
S-60XR	45 - 55	5700	1600	25	200 - 300	14	20-30	180	300	480
S-90XR	60 - 80	9000	2000	30	200 - 300	14	30	210	345	575

1) Mechanical rotation on request

Specifications subject to change without prior notice.

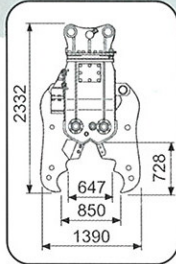
S-22XAR

S-26XBR

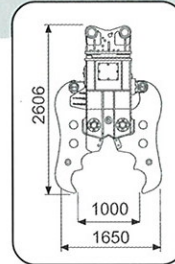
S-36XR



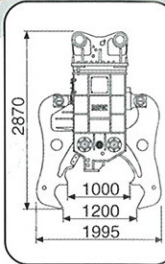
Excavator weight: 18-22 ton.
Max. crushing force: 225 ton.
Rotation: 360° hydraulic.



Excavator weight: 22-28 ton.
Max. crushing force: 275 ton.
Rotation: 360° hydraulic.



Excavator weight: 33-41 ton.
Max. crushing force: 380 ton.
Rotation: 360° hydraulic.

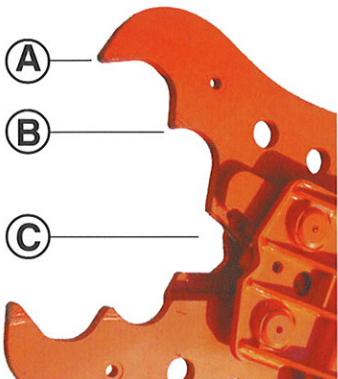


Features

- Only **NPK** offers an exclusive integrated booster system that automatically activates when the jaws meet resistance.
- Low weight, long reach.
- Large jaw opening (2.0 m.)
- Arm/Dipperstick mounted.
- Piston rod and hoses fully protected inside the crusher's frame.
- Slim-line design.
- 10 Models available to suit excavators from 2-80 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-3X, S-4XB and S-7XA are standard with 360° mechanical rotation.
- Maintenance friendly.
- Reinforced steel cutters are standard. (Except S-60XR and S-90X.)
- 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.

High speed:

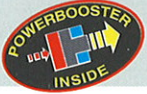
Model	Opening time	Closing time	Total cycle time	Number of cycles	Oil flow
	sec.	sec.	sec.	n/min.	l/min.
NPK S-3X	0.9	1.2	2.1	28x	50
S-4XB	1.3	1.5	2.8	21x	50
S-7XA	1.7	1.9	3.6	16x	80
S-15XAR	1.8	2.5	4.3	14x	150
S-22XAR	2.0	2.5	4.5	13x	200
S-26XBR	2.4	2.9	5.3	11x	250
S-36XR	2.9	3.8	6.7	9x	250
S-40XAR	3.0	4.4	7.4	8x	275
S-60XR	3.9	5.7	9.6	6x	300
S-90XR	5.2	7.6	12.8	4.5x	300



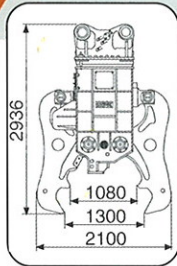
Specifications subject to change without prior notice.

S-40XAR

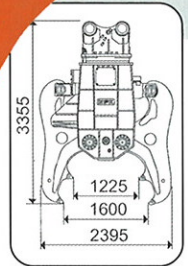
S-60XR



Excavator weight: 40-50 ton.
Max. crushing force: 420 ton.
Rotation: 360° hydraulic.



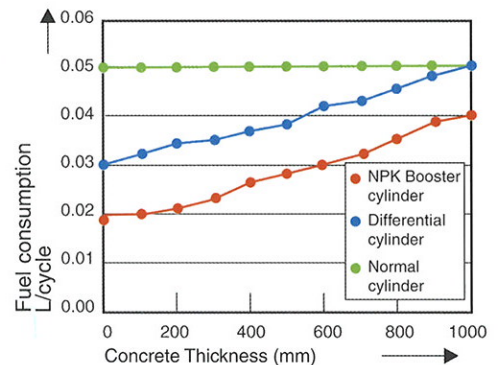
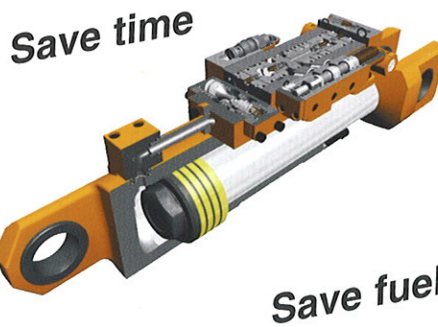
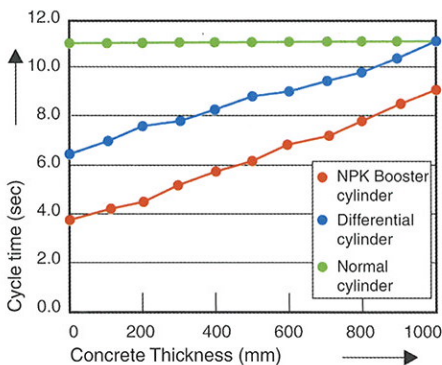
Excavator weight: 45-55 ton.
Max. crushing force: 480 ton.
Rotation: 360° hydraulic.



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.

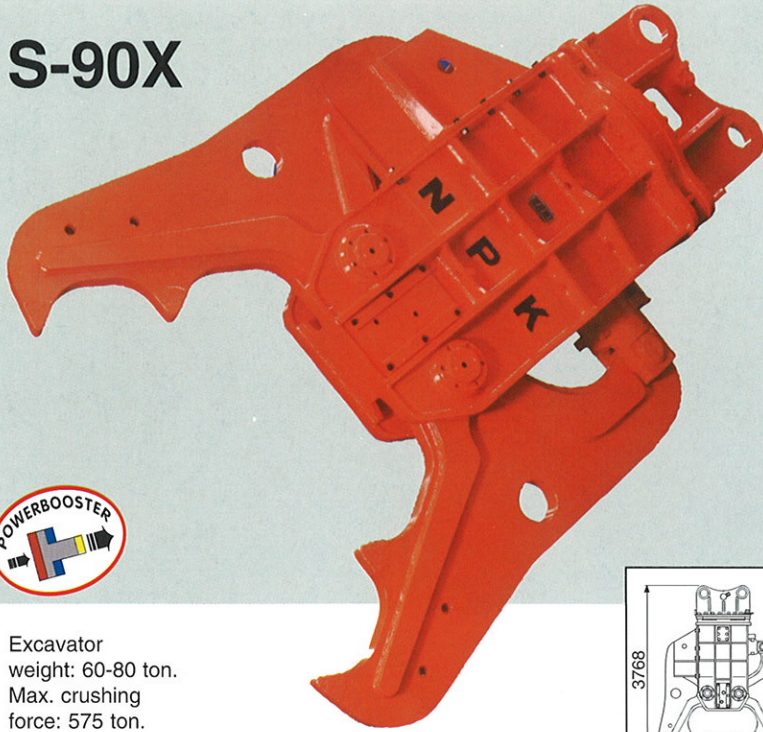
Besides more production and more power, a shorter cycle time also results in less fuel consumption. A reduction of 25-50% per cycle is realistic!



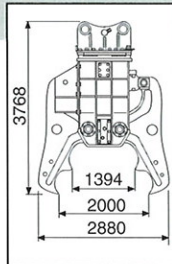
*Figures based on theoretical calculations at 200 L/min.



S-90X

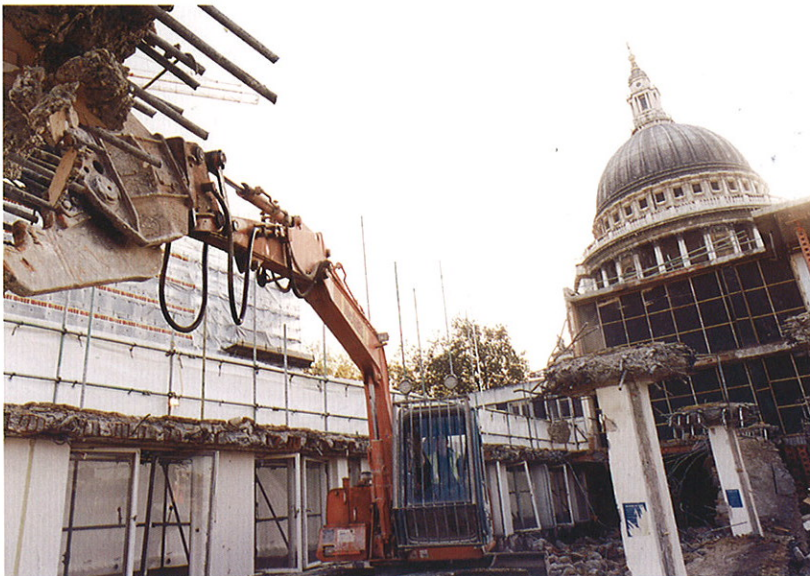


Excavator weight: 60-80 ton.
Max. crushing force: 575 ton.
Rotation: 360° hydraulic.



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 Boostersystem is unaffected by backpressure in the return hoses. This is extremely important, since backpressure in the long hoses can influence the correct functioning of the hydraulic system and cause loss of power and speed.





HAMMERS



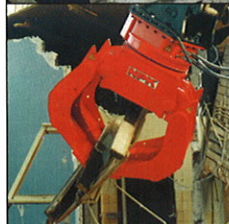
CRUNCHERS



MULTI PROCESSORS



COMBI SHEARS



DEMOLITION GRABS



COMPACTORS



SHEET PILERS



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