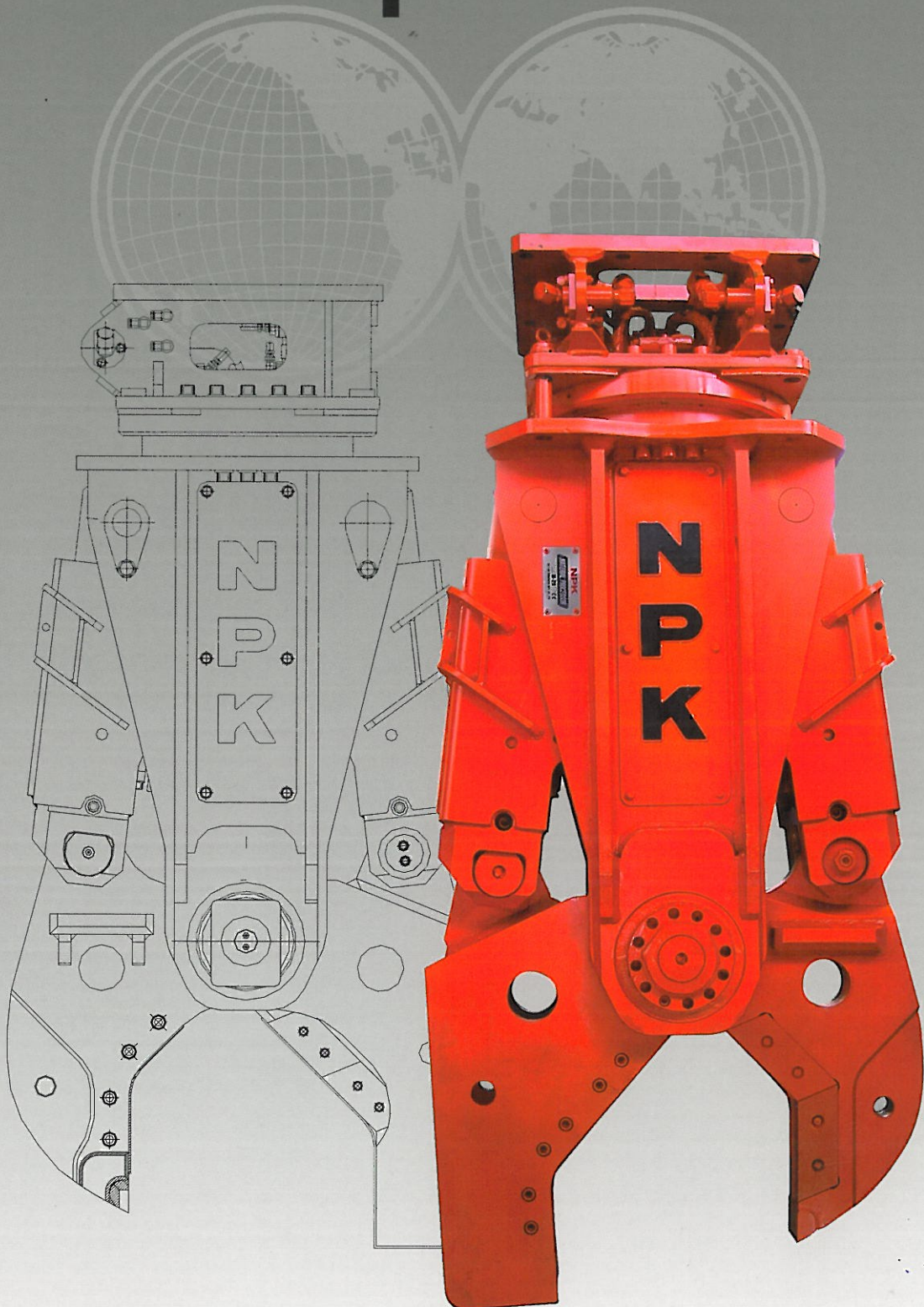


NPK®

Multi-processor



NPK®

www.npke.eu

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



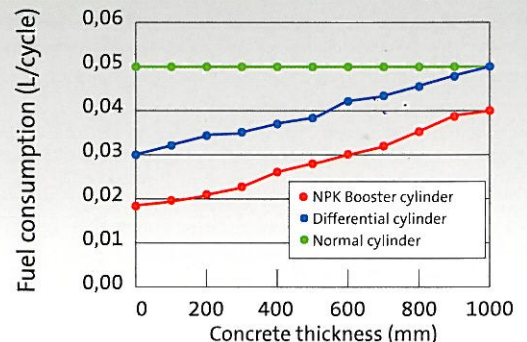
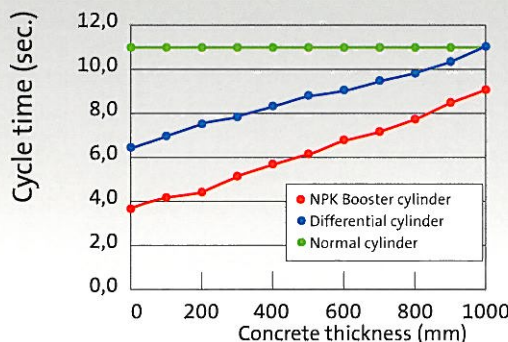
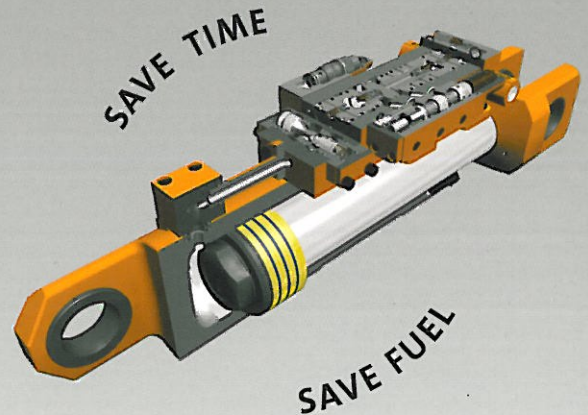
MORE POWER – MORE PRODUCTION

The Multi Processor is designed in such a way that 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 attachments 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!

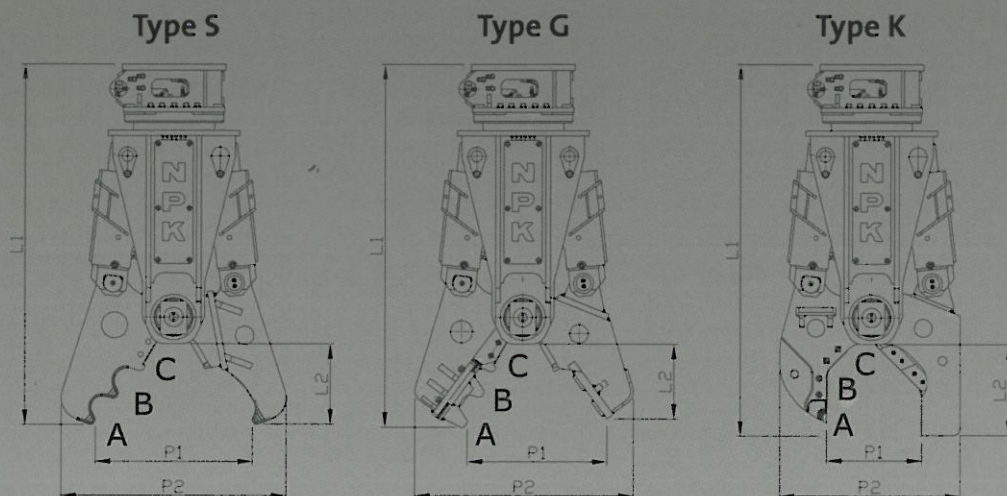


* Figures based on theoretical calculations at 200 L/min

FEATURES

- On-site versatility is optimized by the availability of interchangeable jaws.
- Only NPK offers an exclusive integrated booster system that automatically activates when the jaws meet resistance.
- Efficient solution for concrete, steel and rebar processing, building and bridge demolition, and recycling.
- Manufactured from high-strength, abrasion-resistant steel.
- Reinforced shield protects cylinder rods.
- Cost effective: far more economical than buying three different applications.
- Full 360° power rotation provides an effective angle of attack for any job wherever the location.
- No additional pressure reduction is required in the hydraulic system.
- Fast opening/closing times.
- Reliable construction.





TECHNICAL SPECIFICATIONS

| Model | M-20S | M-20G | M-20K | M-28S | M-28G |
|---------------------------|-----------|-----------|-----------|-----------|-----------|
| Excavator weight (t) | 17 - 24 | 17 - 24 | 17 - 24 | 28 - 40 | 28 - 40 |
| Operating weight (kg) | 2000 | 2100 | 2100 | 2970 | 3150 |
| Max. jaw opening (mm) | 940 | 770 | 540 | 1067 | 910 |
| Working pressure (MPa) | 25 | 25 | 25 | 25 | 25 |
| Oil flow (l/min) | 100 - 200 | 100 - 200 | 100 - 200 | 150 - 250 | 150 - 250 |
| Rotation pressure (MPa) | 14 | 14 | 14 | 14 | 14 |
| Rotation oil flow (l/min) | 10 - 15 | 10 - 15 | 10 - 15 | 11 - 30 | 11 - 30 |
| Max. force (A) (kN) | 690 | 740 | 800 | 1030 | 1120 |
| Max. force (B) (kN) | 1070 | 1250 | 1480 | 1400 | 1500 |
| Max. force (C) (kN) | 3250 | 3250 | 3250 | 4500 | 4500 |
| L1 (mm) | 2276 | 2268 | 2376 | 2631 | 2652 |
| L2 (mm) | 401 | 393 | 501 | 542 | 505 |
| P1 (mm) | 940 | 770 | 540 | 1067 | 910 |
| P2 (mm) | 1245 | 1181 | 1052 | 1517 | 1480 |

| Model | M-28K | M-38S | M-38G | M-38K |
|---------------------------|-----------|-----------|-----------|-----------|
| Excavator weight (t) | 28 - 40 | 35 - 45 | 35 - 45 | 35 - 45 |
| Operating weight (kg) | 3130 | 3850 | 4150 | 4250 |
| Max. jaw opening (mm) | 638 | 1230 | 1140 | 735 |
| Working pressure (MPa) | 25 | 25 | 25 | 25 |
| Oil flow (l/min) | 150 - 250 | 200 - 250 | 200 - 250 | 200 - 250 |
| Rotation pressure (MPa) | 14 | 14 | 14 | 14 |
| Rotation oil flow (l/min) | 11 - 30 | 11 - 30 | 11 - 30 | 11 - 30 |
| Max. force (A) (kN) | 1190 | 1300 | 1360 | 1510 |
| Max. force (B) (kN) | 1700 | 2000 | 2000 | 2680 |
| Max. force (C) (kN) | 4500 | 5900 | 5900 | 5900 |
| L1 (mm) | 2716 | 3200 | 3250 | 3325 |
| L2 (mm) | 627 | 781 | 709 | 654 |
| P1 (mm) | 638 | 1230 | 1140 | 735 |
| P2 (mm) | 1273 | 1670 | 1665 | 1495 |

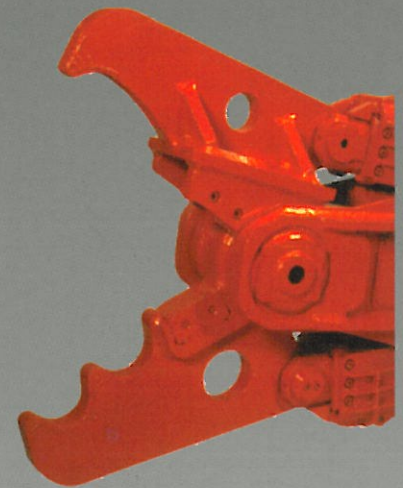
HIGH SPEED

| Model | M-20 | M-28 | M-38 |
|--------------------------|------|------|------|
| Opening time (sec.) | 1,4 | 2,1 | 3,2 |
| Closing time (sec.) | 2,8 | 3,8 | 5,7 |
| Total cycle time (sec) | 4,2 | 5,9 | 8,9 |
| Number of cycles (n/min) | 14 | 10 | 7 |
| Oil flow (l/min) | 200 | 250 | 250 |



M-20K

Excavator weight: 17 – 24 ton
Rotation: 360° hydraulic



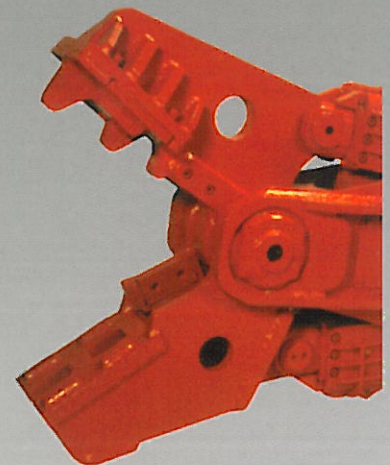
Crusher

Type S



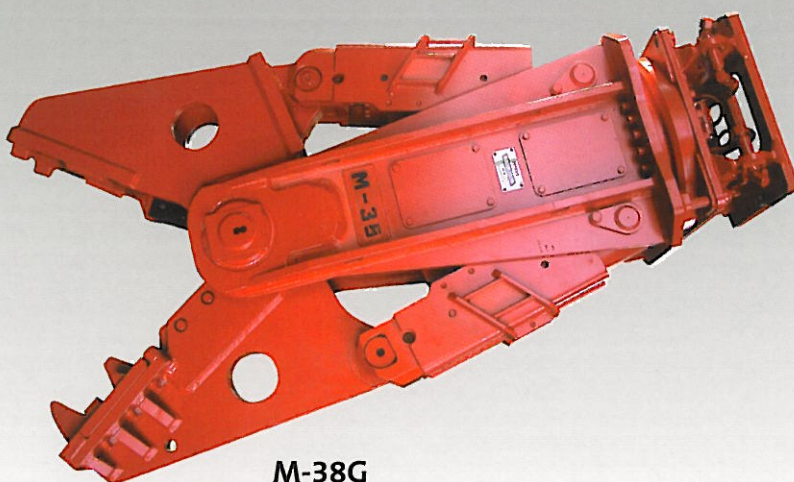
M-28K

Excavator weight: 28 – 40 ton
Rotation: 360° hydraulic



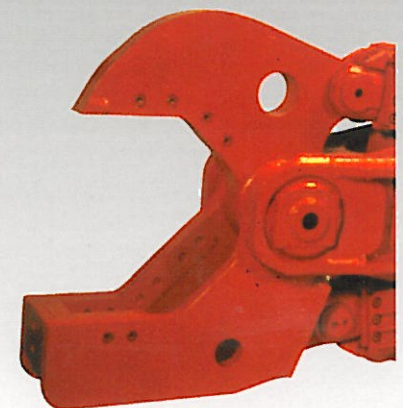
Crusher

Type G



M-38G

Excavator weight: 35 – 45 ton
Rotation: 360° hydraulic



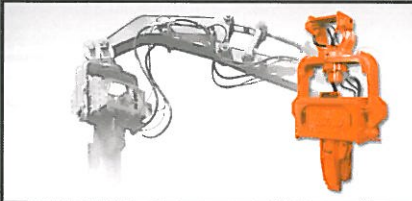
Crusher

Type K

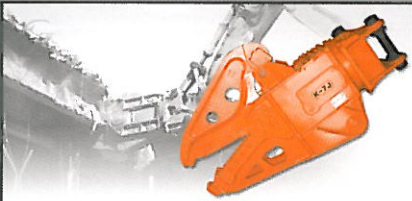
HYDRAULIC HAMMERS



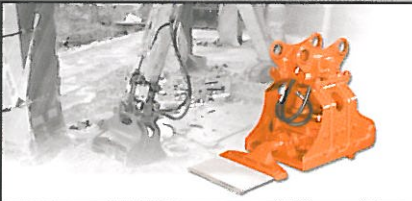
SHEET PILERS



STEEL SHEARS



X-Y-Z CONCEPT



COMPACTORS



CRUNCHERS



CRUSHERS



DEMOLITION GRABS



MULTI- PROCESSORS



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