

NPK[®] CONCRETE CRUNCHER

Designed & produced by the world's largest manufacturer of boom mounted attachments

CONCRETE CRUNCHER ADVANTAGES

- Standard integrated booster system that automatically activates when the jaws meet resistance.
- Easy maintenance
- Bolt on teeth – easy replacement with large jaw opening
- Piston rod fully protected against damage
- Low oil flow – other functions of excavator are not influenced
- Short opening/closing time (3.2 secs) in unloaded condition produces 19 cycles / min
- 360° hydraulic rotation
- High productivity and extreme power
- Standard rebar cutters
- No additional pressure reduction is required in the hydraulic system

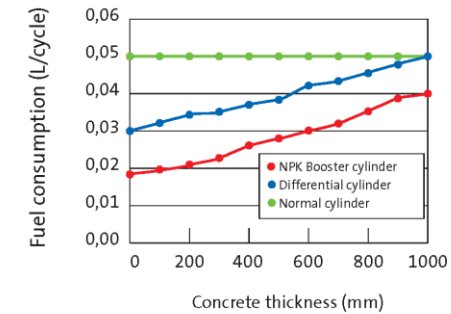
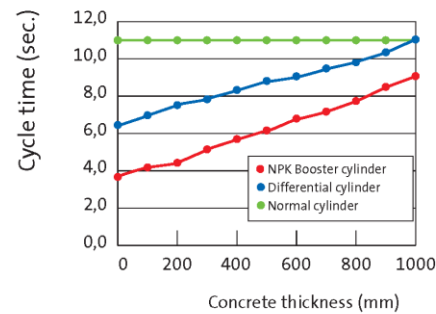


EXTREME POWER-AMAZING PRODUCTION

The main advantage of the Cruncher is the standard integrated booster system, an unique feature designed by NPK. This booster system automatically activates whenever the jaws meet resistance. Compared to competitive crunchers without such a booster, the pressure intensifier system has a relatively low oil flow and produces faster cycle times and more crushing strength.

Additionally, other excavator functions remain uninfluenced. The integral booster allows a compact body design, reduces the total weight of the attachment and affords ease of maintenance.

The Cruncher is specifically designed to reduce oversize concrete pieces from ground level after they have been demolished. Simultaneously the reinforced steel will be separated from the concrete on site! This results in a significant reduction of transport costs and recycling becomes much more efficient.



* Figures based on theoretical calculations at 200 L/min

TECHNICAL SPECIFICATIONS

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)
G-18J	17 - 22	2054	823	26	100 - 200	X	X	820	1060
G-21R	17 - 21	2100	750	26	100 - 200	14	10 - 15	550	715
G-28	22 - 30	2860	1000	28	100 - 250	X	X	1160	1530
U-21JR	19 - 28	2225	800	26	100 - 200	14	10 - 15	645	885
U-31J	29 - 48	2880	980	28	100 - 250	X	X	1150	1540
U-31JR	29 - 48	3335	980	28	100 - 250	14	10 - 14	1150	1540
U-45R	45 - 50	4500	1130	30	175 - 275	14	20 - 30	1260	1710

HIGH SPEED

MODEL	Opening time (sec)	Closing time (sec)	Total cycle time (sec)	Number of cycles (n/min)	Oil flow (l/min)
G-18J	0,9	2,3	3,2	19	200
G-21R	0,9	2,3	3,2	19	200
G-28	1,6	2,9	4,5	13	250
U-21JR	1,2	1,6	2,8	21	200
U-31J	1,6	2,9	4,5	13	250
U-31JR	1,6	2,9	4,5	13	250
U-45R	2,4	3,0	5,4	11	275



G-SERIES AND U-SERIES

The crushing cruncher

- Compared to NPK's G-series, the new U-series shows important differences - one big centre tooth – all forces are concentrated to one point, making the U-series also perform as a crusher.
- The U-series has a cutter for cutting light steel structures.
- Another advantage of the U-series is the 360° hydraulic rotation, allowing greater manoeuvrability.
- Together with the centre tooth and cutter the U-series is an ideal tool for crushing and cutting walls, floors and light steel structures, such as apartments, reinforced walls etc.

BOLT ON TEETH

- All models are equipped with bolt on teeth, leading to easier replacement
- The cruncher can remain on site while the teeth are changed or removed for refurbishment
- Down time is therefore kept to an absolute minimum, greatly enhancing production

