

# NPK



## DEMOLITION TOOLS



## PRODUCT GUIDE



NPK Japan



NPK Europe (Holland) BV



NPK France S.A.S.

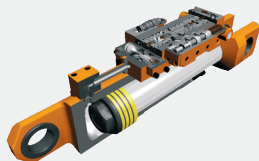


NPK Europe Mfg. s.r.o., Czech Republic

### Hydraulic Pulverizer



Different styles of tooth plates for different types of applications



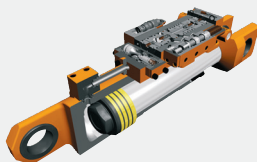
Smart booster technology



Model	V70R	V160R	V250R
Excavator weight (t)	6 - 10	16 - 21	24 - 35
Weight (kg)	780	1650	2750
Total length (mm)	1500	1940	2425
Jaw width (mm)	390	500	560
Max. jaw opening (mm)	595	750	900
Working pressure (MPa)	26	28	28
Oil flow (l/min)	50 - 130	80 - 180	100 - 250
Rotation pressure (MPa)	14	14	14
Rotation oil flow (l/min)	10 - 15	10 - 15	15 - 40
Max. force (A) (kN)	490	795	1020
Max. force (B) (kN)	660	1050	1330
Max. force (Cutter) (kN)	1225	1960	2250
Opening time (sec)*	0,8	0,7	1,0
Closing time (sec)*	1,3	1,6	1,8
Total cycle time (sec)*	2,1	2,3	2,8
Number of cycles (n/min)*	29	26	21

\* At maximum oil flow

## Concrete Crusher



Smart booster technology



Optional:

SV-7XR ~ SV380R  
with replaceable teeth

Model	SV-7XR	SV140R	SV250R	SV380R
Excavator weight (t)	6 - 9	10 - 16	19 - 28	29 - 38
Weight (kg)	745	1450	2470	3800
Max. jaw opening (mm)	700	970	1200	1400
Working pressure (MPa)	28	28	28	28
Oil flow (l/min)	50 - 130	80 - 230	100 - 400	150 - 500
Rotation pressure (MPa)	14	14	14	14
Rotation oil flow (l/min)	15 - 30	15 - 30	15 - 30	15 - 30
Max. force (A) (kN)	470	700	1150	1400
Max. force (B) (kN)	720	1130	1815	2220
Max. force (C) (kN)	1530	2200	3450	4370
Opening time (sec)*	0,9	0,9	1,2	1,2
Closing time (sec)*	1,8	1,9	2,1	2,3
Total cycle time (sec)*	2,7	2,8	3,3	3,5
Number of cycles (n/min)*	22	21	18	17

\* At maximum oil flow

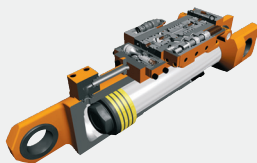




Model	SV400R	SV500R	SV700R	SV-100XR
Excavator weight (t)	29 - 38	39 - 48	60 - 100	80 - 100
Weight (kg)	4100	4960	7440	9200
Max. jaw opening (mm)	1500	1750	2000	2200
Working pressure (MPa)	28	28	28	28
Oil flow (l/min)	150 - 500	175 - 600	200 - 700	200 - 800
Rotation pressure (MPa)	14	14	14	14
Rotation oil flow (l/min)	15 - 30	15 - 30	20 - 30	20 - 40
Max. force (A) (kN)	1500	1780	2560	2660
Max. force (B) (kN)	2470	3020	4330	4200
Max. force (C) (kN)	4860	5670	7800	7350
Opening time (sec)*	1,4	1,3	1,7	2,1
Closing time (sec)*	2,7	2,9	3,7	4,4
Total cycle time (sec)*	4,1	4,2	5,4	6,5
Number of cycles (n/min)*	15	14	11	9

\* At maximum oil flow

## Concrete Crusher



Smart booster technology



Optional:

X-3A ~ S-36XCR  
with replaceable teeth

Model	X-1	X-3A	X-3AR	X-4A	X-4AR	X-7A	X-7AR
Excavator weight (t)	1,3 - 2,0	2,5 - 4,0	2,5 - 4,0	3,5 - 5,5	3,5 - 5,5	6 - 9	6 - 9
Weight (kg)	130	280	313	350	375	670	675
Max. jaw opening (mm)	260	354	354	460	460	550	550
Working pressure (MPa)	21	21	21	21	21	25	25
Oil flow (l/min)	20 - 30	30 - 60	30 - 60	30 - 70	30 - 70	50 - 130	50 - 130
Rotation pressure (MPa)	-	-	max. 32	-	max. 32	-	10 - 13
Rotation oil flow (l/min)	-	-	6 - 15	-	6 - 15	-	12 - 15
Max. force (A) (kN)	240	320	320	330	330	490	490
Max. force (B) (kN)	-	480	480	500	500	771	771
Max. force (C) (kN)	860	920	920	1050	1050	1300	1300
Opening time (sec)*	0,9	0,6	0,6	0,7	0,7	0,7	0,7
Closing time (sec)*	1,7	1,2	1,2	1,3	1,3	1,3	1,3
Total cycle time (sec)*	2,6	1,8	1,8	2,0	2,0	2,0	2,0
Number of cycles (n/min)*	23	33	33	30	30	30	30

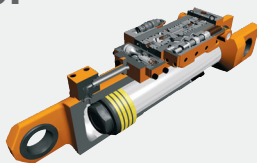
\* At maximum oil flow



Model	S-13XCR	S-16XCR	S-23XCR	S-24XCR	S-36XCR	S-42XCR
Excavator weight (t)	10 - 15	14 - 18	19 - 21	19 - 27	29 - 38	39 - 48
Weight (kg)	1485	1820	2370	2550	3800	4550
Max. jaw opening (mm)	810	850	1020	1100	1355	1500
Working pressure (MPa)	25	25	28	25	25	25
Oil flow (l/min)	80 - 180	80 - 180	100 - 250	100 - 250	150 - 350	175 - 400
Rotation pressure (MPa)	14	14	14	14	14	14
Rotation oil flow (l/min)	10 - 15	10 - 15	10 - 15	10 - 15	20 - 30	20 - 30
Max. force (kN) (1st tooth)	660	710	890	1000	1400	1520
Max. force (kN) (2nd tooth)	1070	1150	1390	1570	2200	2470
Max. force (kN) (cutter)	1750	2250	2910	3350	3800	4200
Opening time (sec)*	0,9	1,0	1,1	1,5	1,7	1,6
Closing time (sec)*	1,8	2,1	2,0	2,8	3,2	3,3
Total cycle time (sec)*	2,7	3,1	3,1	4,3	4,9	4,9
Number of cycles (n/min)*	22	19	19	14	12	12

\* At maximum oil flow

## Concrete Cruncher

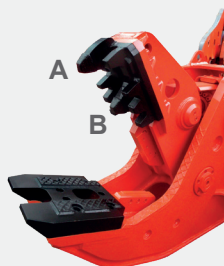


Smart booster technology



Model	G70	G70R	G120	G-18JX	G-28J
Excavator weight (t)	6 - 10	6 - 10	10 - 17	17 - 22	25 - 38
Weight (kg)	690	815	1165	2150	2960
Max. jaw opening (mm)	600	600	775	823	1000
Working pressure (MPa)	26	26	28	26	28
Oil flow (l/min)	50 - 130	50 - 130	80 - 180	100 - 250	100 - 350
Rotation pressure (MPa)	-	10 - 13	-	-	-
Rotation oil flow (l/min)	-	12 - 15	-	-	-
Max. force (A) (kN)	410	410	690	820	1170
Max. force (B) (kN)	550	550	950	1060	1530
Opening time (sec)*	0,8	0,8	0,7	1,0	1,2
Closing time (sec)*	1,3	1,3	1,6	1,8	2,1
Total cycle time (sec)*	2,1	2,1	2,3	2,8	3,3
Number of cycles (n/min)*	29	29	26	21	18

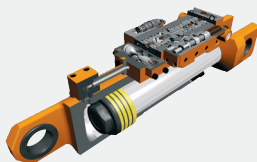
\* At maximum oil flow



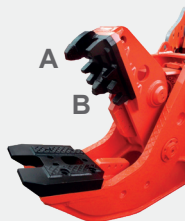
Model	U-21JXR	U-31JX	U-31JXR	U-45JR
Excavator weight (t)	19 - 28	29 - 48	29 - 48	45 - 50
Weight (kg)	2325	3000	3455	4560
Max. jaw opening (mm)	800	980	980	1130
Working pressure (MPa)	26	28	28	30
Oil flow (l/min)	100 - 250	100 - 350	100 - 350	175 - 400
Rotation pressure (MPa)	14	-	14	14
Rotation oil flow (l/min)	10 - 15	-	10 - 15	20 - 30
Max. force (A) (kN)	645	1150	1150	1260
Max. force (B) (kN)	885	1540	1540	1740
Opening time (sec)*	0,6	1,2	1,2	1,1
Closing time (sec)*	1,3	2,1	2,1	2,0
Total cycle time (sec)*	1,9	3,3	3,3	3,1
Number of cycles (n/min)*	32	18	18	19

\* At maximum oil flow

# Concrete Cruncher with electromagnet



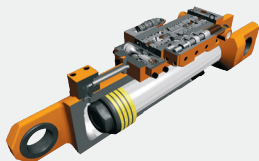
Smart booster technology



Model	G-25JEH	G-35JEH	G-45EH
Excavator weight (t)	19 - 28	29 - 48	45 - 50
Weight (kg)	2650	3550	4500
Max. jaw opening (mm)	823	980	1130
Working pressure (MPa)	26	28	30
Oil flow (l/min)	100 - 250	100 - 350	175 - 400
Max. force (A) (kN)	820	1150	1240
Max. force (B) (kN)	1060	1540	1680
Magnet voltage (V)	DC 220	DC 220	DC 220
Dimensions magnet (mm)	600x250	720x250	720x250
Power (kW)	2,4	3,4	3,4



### Steel Shear

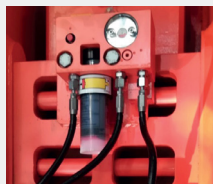
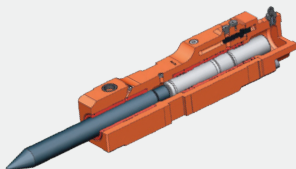


Smart booster technology

Optional: Hydraulic rotation

Model	K-3J	K-3JR	K-4J	K-4JR	K-7J	K-7JR
Excavator weight (t)	2,5 - 3,5	2,5 - 3,5	3,5 - 5,5	3,5 - 5,5	6 - 9	6 - 9
Weight (kg)	280	330	370	415	680	710
Working pressure (MPa)	18	18	18	18	21	21
Oil flow (l/min)	30 - 60	30 - 60	30 - 70	30 - 70	50 - 130	50 - 130
Rotation pressure (MPa)	-	max. 32	-	max. 32	-	10 - 13
Rotation oil flow (l/min)	-	6 - 15	-	6 - 15	-	12 - 15
Max. force (kN)	716	716	785	785	1290	1290
Max. jaw opening (mm)	340	340	399	399	532	532
Cutter length (mm)	220	220	260	260	340	340

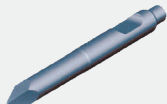
## Hydraulic Hammer



**Optional for GH-6:**

Automatic Greasing

Model	E-106	PH-06	PH-07	PH-1
Excavator weight (t)	0,7 - 1,0	1,0 - 2,0	1,5 - 3,0	2,0 - 3,5
Weight (kg)	62	94	112	162
Total length (mm)	872	991	1035	1154
Oil flow (l/min)	15 - 20	15 - 35	15 - 45	25 - 55
Blow frequency (bpm)	900 - 1200	480 - 1200	450 - 1300	550 - 1100
Min. exc. pressure (MPa)	15	20	21	21
Chisel diameter (mm)	41	42	47	57



Point Chisel (P)



Chisel crosscut (FX)



Blunt Chisel (E)

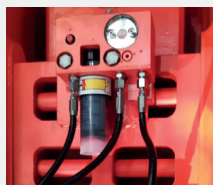
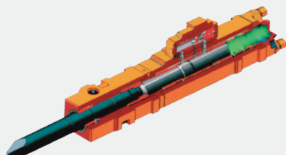


Core Chisel (PC)



Model	PH-2	PH-3	PH-4	GH-6
Excavator weight (t)	3,0 - 5,5	4,0 - 9,0	6 - 12	12 - 18
Weight (kg)	200	314	465	851
Total length (mm)	1240	1395	1570	1931
Oil flow (l/min)	25 - 60	45 - 100	50 - 120	90 - 150
Blow frequency (bpm)	500 - 1200	500 - 1150	400 - 1000	460 - 800
Min. exc. pressure (MPa)	21	21	21	21
Chisel diameter (mm)	66	76	86	106

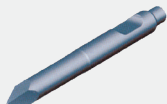
## Hydraulic Hammer



**Optional:**

Automatic Greasing

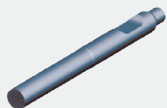
Model	GH-7A	GH-9	GH-10	GH-12
Excavator weight (t)	14 - 21	17 - 24	21 - 28	24 - 38
Weight (kg)	1220	1482	1691	2085
Total length (mm)	2235	2356	2535	2738
Oil flow (l/min)	100 - 180	150 - 200	165 - 210	170 - 220
Blow frequency (bpm)	400 - 750	500 - 650	430 - 550	400 - 520
Min. exc. pressure (MPa)	21	21	21	21
Chisel diameter (mm)	116	126	136	146



Point Chisel (P)



Chisel crosscut (FX)



Blunt Chisel (E)

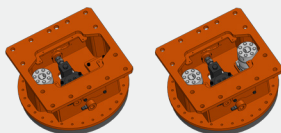


Core Chisel (PC)



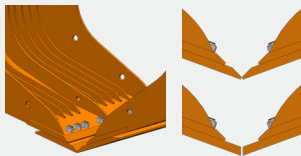
Model	GH-15	GH-18	GH-23	GH-30	GH-40
Excavator weight (t)	28 - 45	38 - 50	50 - 60	50 - 80	90 - 110
Weight (kg)	2618	3067	4525	5450	7750
Total length (mm)	2933	3056	3320	3552	3867
Oil flow (l/min)	200 - 250	220 - 290	250 - 320	280 - 350	300 - 400
Blow frequency (bpm)	350 - 450	300 - 400	300 - 400	310 - 390	240 - 330
Min. exc. pressure (MPa)	21	21	21	21	21
Chisel diameter (mm)	156	165	174	184	204

## Demolition Grab



**Single or Double Motor**

DG-20A ~ DG-50

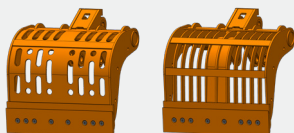


**Sharp or Blunt Edge Cutter**

DG-14 ~ DG-50

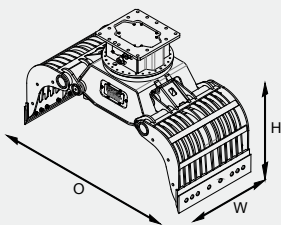
Model	DG-1	DG-4	DG-6	DG-9	DG-14	DG-16
Excavator weight (t)	0,7 - 1,5	2,5 - 4	4 - 6	5 - 9	7 - 14	10 - 16
Weight (kg)	75	172	290	450	642	875
Capacity (l)	25	90	150	180	300	425
Working pressure (MPa)	18 - 26	18 - 26	20 - 28	22 - 32	25 - 35	25 - 35
Oil flow (l/min)	10 - 20	15 - 35	20 - 40	30 - 50	30 - 60	60 - 100
Closing force (kN)	6	15	21	32	38	48
Rotation pressure (MPa)	16 - 26	18 - 26	10 - 13	10 - 13	10 - 14	10 - 14
Rotation oil flow (l/min)	5 - 15	6 - 15	10 - 15	12 - 15	20 - 30	20 - 30
Opening width (mm)	670	1145	1355	1632	1800	1850
Height (mm)	610	800	1045	1080	1175	1235
Width (mm)	300	450	500	580	700	860





### Perforated or Ribs

DG-9 ~ DG-50



Model	DG-20A	DG-22	DG-25	DG-30A	DG-40A	DG-50
Excavator weight (t)	14 - 20	14 - 20	16 - 26	18 - 30	25 - 40	35 - 50
Weight (kg)	1250	1255	1450	1850	2050	2500
Capacity (l)	500	500	600	800	900	1100
Working pressure (MPa)	25 - 35	25 - 35	25 - 35	25 - 35	25 - 35	25 - 35
Oil flow (l/min)	60 - 100	60 - 100	60 - 100	80 - 120	80 - 120	100 - 140
Closing force (kN)	52	62	60	72	72	90
Rotation pressure (MPa)	10 - 14	10 - 14	10 - 14	10 - 14	10 - 14	10 - 16
Rotation oil flow (l/min)	20 - 30	20 - 30	20 - 30	20 - 30	20 - 30	30 - 50
Opening width (mm)	2050	2050	2160	2410	2410	2450
Height (mm)	1300	1300	1330	1485	1485	1560
Width (mm)	950	950	1115	1115	1360	1450

## Multi-Processor

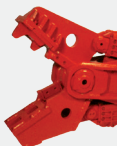


For primary  
demolition



Type S

For secondary  
demolition



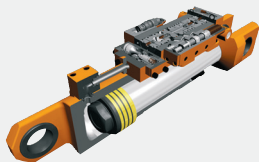
Type G

For steel beam  
and scrap cutting

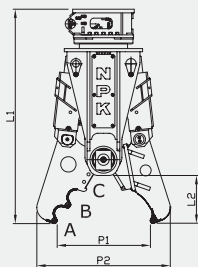


Type K

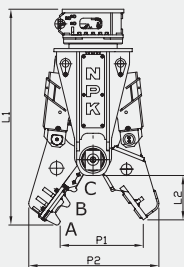
Model	M-20S	M-20G	M-20K	M-28S	M-28G	M-28K	M-38S	M-38G	M-38K
Excavator weight (t)	17 - 24	17 - 24	17 - 24	28 - 40	28 - 40	28 - 40	35 - 45	35 - 45	35 - 45
Weight (kg)	2000	2100	2100	2970	3150	3130	3850	4150	4250
Max. jaw opening (mm)	940	770	540	1067	910	638	1230	1140	735
Working pressure (MPa)	25	25	25	25	25	25	25	25	25
Oil flow (l/min)	100 - 250	100 - 250	100 - 250	150 - 350	150 - 350	150 - 350	175 - 400	175 - 400	175 - 400
Rotation pressure (MPa)	14	14	14	14	14	14	14	14	14
Rotation oil flow (l/min)	10 - 15	10 - 15	10 - 15	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30	10 - 30
Max. force (A) (kN)	690	740	800	1030	1120	1190	1300	1360	1510
Max. force (B) (kN)	1070	1250	1480	1400	1500	1700	2000	2000	2680
Max. force (C) (kN)	3250	-	-	4500	-	-	5900	-	-



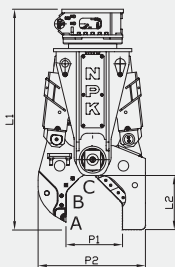
Smart booster technology



Type S



Type G



Type K

Model	M-20S	M-20G	M-20K	M-28S	M-28G	M-28K	M-38S	M-38G	M-38K
Opening time (sec)*	1,1	1,1	1,1	1,5	1,5	1,5	2,0	2,0	2,0
Closing time (sec)*	2,2	2,2	2,2	2,7	2,7	2,7	3,6	3,6	3,6
Total cycle time (sec)*	3,3	3,3	3,3	4,2	4,2	4,2	5,6	5,6	5,6
Number of cycles (n/min)*	18	18	18	14	14	14	11	11	11
L1 (mm)	2276	2268	2376	2631	2652	2716	3200	3250	3325
L2 (mm)	401	393	501	542	505	627	781	709	654
P1 (mm)	940	770	540	1067	910	638	1230	1140	735
P2 (mm)	1245	1181	1052	1517	1480	1273	1670	1665	1495

\* At maximum oil flow

### Compactor



**Back fill plate**

Option for all models

**Hydraulic rotation**

Option for C-2D ~ C-8C



Model	C-2D	C-3D	C-3DR	C-4C	C-4CR
Excavator weight (t)	2,5 - 5,5	3,0 - 8,0	3,0 - 8,0	4,5 - 11,5	4,5 - 11,5
Impulse force (kgf)	1600	2700	2700	3600	3600
Cycles per min. (n/min)	2400	2200	2200	2100	2100
Working pressure (MPa)	10,5 - 14	13,5 - 17,0	13,5 - 17,0	11,7 - 15	11,7 - 15
Oil flow (l/min)	42 - 49	53 - 72	53 - 72	68 - 83	68 - 83
Dim. Baseplate (mm)	320 x 635	430 x 710	430 x 710	580 x 860	580 x 860
Weight (kg)	172	360	370	436	475
Height (mm)	711	737	783	762	825
Width (mm)	320	430	430	580	580
Max. rotator pressure (MPa)	-	-	max. 32	-	max. 32
Rotation oil flow (l/min)	-	-	6 - 15	-	6 - 15

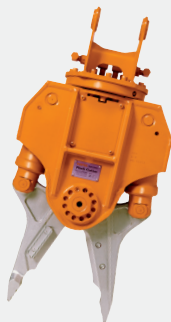
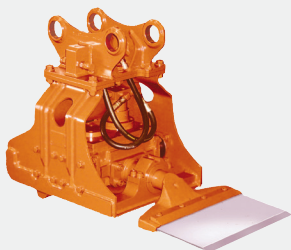
Model	C-6C	C-6CR	C-8C	C-8CR	C-10C	C-12C
Excavator weight (t)	7 - 20	7 - 20	14 - 34	14 - 34	27 - 45	35 - 63,5
Impulse force (kgf)	7300	7300	11000	11000	15450	20400
Cycles per min. (n/min)	2200	2200	2200	2200	2200	2200
Working pressure (MPa)	12,5 - 16	12,5 - 16	14 - 17	14 - 17	14 - 17	14 - 17
Oil flow (l/min)	106 - 125	106 - 125	145 - 160	145 - 160	150 - 210	210 - 265
Dim. Baseplate (mm)	740 x 1020	740 x 1020	860 x 1170	860 x 1170	1020 x 1320	1140 x 1470
Weight (kg)	778	890	1056	1158	1640	2030
Height (mm)	990	979	1145	1069	1270	1397
Width (mm)	740	740	860	860	1020	1140
Max. rotator pressure (MPa)	-	max. 32	-	max. 32	-	-
Rotation oil flow (l/min)	-	6 - 15	-	6 - 15	-	-

### Sheet Piler



Model	HP-4SX	HP-8SX	HP-10L	HP-10S
Excavator weight (t)	10 - 15	17 - 21	25 - 35	25 - 35
Weight (kg)	765	1180	1140	1140
Frequency (c/min)	3000	2400	2400	2400
Excavator relief pressure (MPa)	23 ~ 25	19 ~ 25	19 ~ 25	19 ~ 25
Oil flow (l/min)	-120	-200	-240	-200
Vibration force (kN)	82	104	173	173
Length (mm)	1780	1910	1970	1970
Chuck opening (mm)	40	40	40	40
Chuck oil flow (l/min)	10 - 20	10 - 20	10 - 20	10 - 20
Chuck pressure (MPa)	24	21	21	21

### X-Y-Z Concept



Model	X-1	Y-2S	Z-1	Z-2	Z-3
Excavator weight (t)	1,3 - 2,0	1,2 - 2,2	1,3 - 1,5	2,0 - 2,7	3,0 - 3,5
Weight (kg)	130	134	110	195	280
Max. jaw opening (mm)	260	-	304	355	420
Working pressure (MPa)	21	14	21	21	27
Oil flow (l/min)	20 - 30	30	20 - 30	40 - 60	50 - 72
Force at tip (kN)	240	-	56	70	120
Width scrape plate (mm)	-	400	-	-	-
Vibration force (kN)	-	5	-	-	-
Frequency (Hz)	-	33	-	-	-



### Material Handler



Model	SG-110
Excavator weight (t)	12 - 20
Weight (kg)	1325
Max. jaw opening (mm)	2120
Width (mm)	680
Working pressure (MPa)	25 - 35
Oil flow (l/min)	60 - 100
Rotation pressure (MPa)	10 - 14
Rotation oil flow (l/min)	20 - 30
Closing force (kN)	50

**HYDRAULIC  
HAMMERS**



**PULVERIZERS**



**SHEET PILERS**



**CRUNCHERS**



**STEEL SHEARS**



**CRUSHERS**



**X-Y-Z CONCEPT**



**DEMOLITION  
GRABS**



**COMPACTORS**



**MULTI-  
PROCESSORS**



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