



Light material handling  
breaker

Designed for breaker operating champion in  
dedicated light material breaking application.

DandA 200C			
Operating weight	kg	1,577	
	lb	3,477	
Required oil flow	l/min	100~120	
	g/min	26.42~31.70	
Operating pressure	kg/cm²	140~180	
	psi	1,991~2,560	
Number of blow	Power mode bpm	300~410	
	Speed mode bpm	360~510	
Relief valve setting pressure	kg/cm²	210	
	psi	2,987	
Tool diameter	mm	135	
	inch	5.31	
Suitable carrier	ton	18~22	
	lbs	39,683~48,502	

\* Above numbers are subject to change without prior notice, only provided for references in combination with carrier hydraulic performance.  
\* Above operating weight includes 1 working tool, 2 hoses and 1 mounting bracket with 2 pins that are supplied by the manufacturer only.



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Backhoe loader breaker



		DandA 40V	DandA 60V	DandA 70DX	DandA 80DX
Operating weight	kg	325	412	518	600
	lb	717	908	1,143	1,323
Required oil flow	l/min	35~70	40~110	45~100	50~100
	g/min	9.25~18.49	10.57~29.06	11.89~26.42	13.21~26.42
Operating pressure	kg/cm²	110~165	120~165	140~170	140~170
	psi	1,565~2,347	1,707~2,347	1,991~2,418	1,991~2,418
Number of blow	Power mode bpm	380~1,000	380~900	400~800	350~700
	Speed mode bpm				
Relief valve setting pressure	kg/cm²	175	175	175	175
	psi	2,489	2,489	2,489	2,489
Tool diameter	mm	70	75	80	90
	inch	2.76	2.95	3.15	3.54
Suitable carrier	ton	3.0~6.5	4.5~8.0	4.5~8.0	6.0~10.0
	lbs	6,614~14,330	9,921~17,637	9,921~17,637	13,228~22,046

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Skid steer loader breaker



		DandA 17V	DandA 40V	DandA 60V	DandA 70DX
Operating weight	kg	270	357	430	542
	lb	595	787	948	1,195
Required oil flow	l/min	23~70	35~70	50~125	70~140
	g/min	6.08~18.49	9.25~18.49	13.21~33.02	18.49~36.98
Operating pressure	kg/cm²	100~190	110~190	120~190	140~190
	psi	1,422~2,702	1,565~2,702	1,707~2,702	1,991~2,702
Number of blow	Power mode bpm	600~1,500	380~1,000	380~900	400~800
	Speed mode bpm				
Relief valve setting pressure**	kg/cm²	230	230	230	230
	psi	3,271	3,271	3,271	3,271
Tool diameter	mm	57	70	75	80
	inch	2.24	2.76	2.95	3.15
Suitable carrier	ton	1.5~4.0	3.0~6.5	4.5~8.0	4.5~8.0
	lbs	3,307~8,818	6,614~14,330	9,921~17,637	9,921~17,637

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\* Above operating weight includes 1 working tool, 2 hoses and 1 mounting bracket with 2 pins that are supplied by the manufacturer only.  
\*\* Head Cap gas pressure 10~12 bar.



www.dnabreaker.com

Head Office #901, ACE High-end Tower 9th, 233,  
Gasam Digital 1-Ro, Geumcheon-Gu, Seoul, 08501, Korea  
Tel (Rep.) : +82 2 2617 0488 Fax (Rep.) : +82 2 2617 0489



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HYDRAULIC  
BREAKERS  
DX SERIES



### Floating power cell & bolt free enclosed housing

- Prevent carrier boom & arm fatigue failure
- No metal to metal contact
- Floating and fully enclosed power cell
- Extend breaker & carrier service life
- Low noise
- Suitable for all applications, particularly including trenching, quarry & mining

### Lubrication

- Various lubrication systems available
  - Hydraulic auto lube system
  - Mechanical auto lube system
  - Manual lube system

### Advanced internal valve system

- Built in cylinder
- Energy efficiency
- Oil leakage free
- Thicker flesh cylinder block
- Least maintenance & repair requirement

### Work mode selector

- Optimize power and speed upon application requirements
- Enable maximum productivity in all applications from light to severe duty material breaking
- Available for DandA 70DX & above

### Easy start

- Fast response time to breaker activation signal
- Significantly increase productivity at light or interior demolition applications
- Suitable for skid steer loader breaker applications
- Available for DandA 17V, 40V & 60V

### Large capacity accumulator & diaphragm

- Proactively prevent carrier hydraulic part fatigue failure
- Accelerate striking performance
- Prevent cavitation
- Increase seal & diaphragm service life
- Available for DandA 40V & above (excluding skid steer loader breaker)

### Bottom plate

- Anti-abrasive high tensile raw material
- Fully enclosed lower bush & front head block
- Minimize debris & dust entering percussion chamber
- Increase service life of housing, tool, lower bush & front head

### Working tool

- Heat treatment of core as well as surface
- Optimum balance for longer wear life and crack prevention
- Variety of conventional and special tool types

### Large capacity gas chamber & optimum piston size

- Hybrid energy efficiency design
- Higher impact power delivery
- Least oil flow consumption
- Durable piston design - larger surface contacting working tool
- Dampening repercussion vibration force
- Preventing carrier structure fatigue failure

### External gas charging

- Gas charging from external housing
- No need of housing or lubrication device disassembly
- Least maintenance time
- Designed for maintenance at the job site

### Air supply channel

- Built in air supply channel
- Prepared for underwater, tunneling & severe dusty applications

### Anti-blank firing system (auto stop)

- Auto cut off hydraulic power when the material is fully broken
- Ensure service life of tool pin, working tool, front head, piston, through bolt and diaphragm even at the frequent dry firing applications such as rental, secondary rock breaking & scaling
- Available for DandA 80DX & above, on demand for DandA 60V & 70DX

### Heavy duty front head block

- Significantly enhanced front head duty level
- Extend front head service life
- Available for DandA 100DX & above

### Tool pin hole protector

- Minimize direct contact between holes and material to break
- Protect tool pin hole damage from debris
- Prevent hole cover missing and debris/dust entering
- Extend tool pin and working tool wear life

### Large size tool pin

- Heavy duty oval shape dual pins
- Heat-treated, enlarged size
- Longer wear life
- Maintenance friendly design - bolt free, rubber plugged holes
- Available for DandA 70DX & above

### Bushes

- Differentiated anti-wear raw material
- Higher core hardness
- Much longer wear life

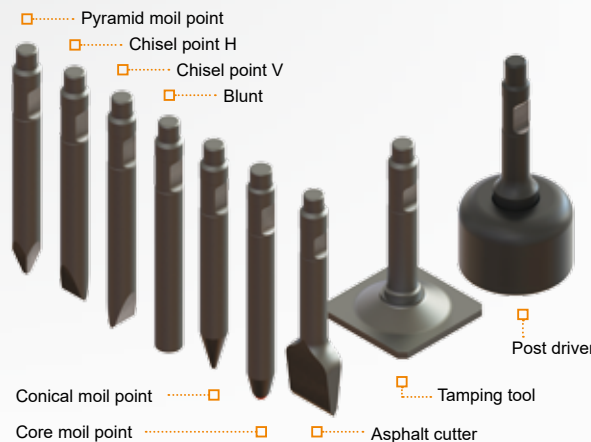
### Dust protector

- Prevent dust entering percussion chamber
- Prolong lubricant's stay between bushes & working tool
- Prevent contamination
- Secure service life of seal, bush, working tool, piston & cylinder in severe dusty applications
- Available for DandA 100DX & above

## Benefits

- **Higher impact power**
- **Higher productivity**
- **Market proven quality, durability & life time**
- **Easy maintenance & repair**
- **Low fatigue stress on carrier machines**
- **Reasonable owning cost**
- **Low operating cost**
- **Higher return on investment**

## Working tool



Conventional working tool	Applicable type					Remark
	Primary breaking	Secondary breaking	Hard rock removal	Soft material & rock material	Demolition	
Chisel point V						All models
Chisel point H						All models
Pyramid moil point						All models
Conical moil point						All models
Blunt						All models

Special working tool	Applicable type				Remark
	Asphalt removal	Compacting	Post driving	Severe duty rock removal	
Asphalt cutter					DandA 6V ~ DandA 80DX
Tamping tool					DandA 6V ~ DandA 80DX
Post driver					DandA 6V ~ DandA 80DX
Core moil point					DandA 8V & above

Highly recommended Selectively applicable

# Comprehensive product line up

- **23 breaker models** that cover the entire CE industry carrier range from 0.5 to 140 ton
- **1 model variant** exclusively designed for dedicated light material breaking champion with 18 to 22 ton carrier
- **4 model variants** exclusively designed for skid steer loader
- **On-demand housing variants** for optimum traveling position with backhoe loader
- **Suitable** from light and medium to hard & severe duty rock breaking applications

## Compact breaker

		DandA 6V	DandA 7V	DandA 8V	DandA 17V	DandA 40V	DandA 60V	DandA 70DX	DandA 80DX	
Operating weight		kg lb	80 176	105 232	141 311	184 406	325 717	412 908	518 1,143	600 1,323
Required oil flow		l/min g/min	18~25 4.76~6.60	15~30 3.96~7.93	15~35 3.96~9.25	23~70 6.08~18.49	35~70 9.25~18.49	40~110 10.57~29.06	45~100 11.89~26.42	50~100 13.21~26.42
Operating pressure		kg/cm <sup>2</sup> psi	60~130 853~1,849	90~120 1,280~1,707	90~120 1,280~1,707	90~120 1,280~1,707	110~165 1,565~2,347	120~165 1,707~2,347	140~170 1,991~2,418	140~170 1,991~2,418
Number of blow	Power mode Speed mode	bpm bpm	800~1,200	800~1,400	550~1,000	600~1,500	380~1,000	380~900	400~800 600~1,100	350~700 490~1,000
Relief valve setting pressure		kg/cm <sup>2</sup> psi	175 2,489	175 2,489	175 2,489	175 2,489	175 2,489	175 2,489	175 2,489	175 2,489
Tool diameter		mm inch	40 1.57	40 1.57	45 1.77	57 2.24	70 2.76	75 2.95	80 3.15	90 3.54
Suitable carrier		ton lbs	0.5~2.0 1,102~4,409	0.5~2.0 1,102~4,409	0.8~2.5 1,764~5,512	1.5~4.0 3,307~8,818	3.0~6.5 6,614~14,330	4.5~8.0 9,921~17,637	4.5~8.0 9,921~17,637	6.0~10.0 13,228~22,046

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## Medium breaker

		DandA 100DX	DandA 130DX	DandA 150DX	DandA 180DX	DandA 200DX	DandA 220DX	DandA 250DX	DandA 300DX	
Operating weight		kg	875	1,012	1,231	1,448	1,577	1,845	2,021	
		lb	1,929	2,231	2,714	3,192	3,477	4,068	4,456	5,527
Required oil flow		l/min	75~120	80~140	100~150	100~155	120~170	120~190	150~210	180~240
		g/min	19.81~31.70	21.13~36.98	26.42~39.63	26.42~40.95	31.70~44.91	31.70~50.19	39.63~55.48	47.55~63.40
Operating pressure		kg/cm <sup>2</sup>	140~180	140~190	140~190	150~190	160~190	160~190	160~190	160~190
		psi	1,991~2,560	1,991~2,702	1,991~2,702	2,134~2,702	2,276~2,702	2,276~2,702	2,276~2,702	2,276~2,702
Number of blow	Power mode	bpm	350~600	350~550	320~550	320~500	320~480	340~450	270~400	250~380
	Speed mode	bpm	600~900	600~900	400~700	400~650	400~600	420~550	330~500	300~450
Relief valve setting pressure		kg/cm <sup>2</sup>	210	210	210	210	210	210	210	210
		psi	2,987	2,987	2,987	2,987	2,987	2,987	2,987	2,987
Tool diameter		mm	95	105	115	125	135	135	145	150
		inch	3.74	4.13	4.53	4.92	5.31	5.31	5.71	5.91
Suitable carrier		ton	8.0~12.5	10~15	12~18	16~22	18~24	20~26	24~30	25~36
		lbs	17,637~27,558	22,046~33,069	26,455~39,683	35,274~48,502	39,683~52,911	44,092~57,320	52,911~66,139	55,116~79,366

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## Large breaker

		DandA 360DX	DandA 450DX	DandA 550DX	DandA 650DX	DandA 700DX	DandA 750DX	DandA 1200DX	
Operating weight		kg lb	2,770 6,107	3,487 7,688	4,099 9,037	4,486 9,890	5,838 12,871	6,710 14,793	9,564 21,085
Required oil flow		l/min g/min	200~260 52.83~68.68	220~280 58.12~73.97	240~320 63.40~84.54	260~360 68.68~95.10	310~390 81.89~103.03	350~420 92.46~110.95	450~530 118.88~140.01
Operating pressure		kg/cm <sup>2</sup> psi	160~190 2,276~2,702	150~190 2,134~2,702	150~190 2,134~2,702	150~190 2,134~2,702	170~210 2,418~2,987	170~210 2,418~2,987	170~210 2,418~2,987
Number of blow	Power mode	bpm	230~400	230~345	230~330	270~380	220~300	205~285	170~230
	Speed mode	bpm	270~470	270~410	270~500	380~530	290~400	235~420	195~275
Relief valve setting pressure		kg/cm <sup>2</sup> psi	230 3,271	230 3,271	210 2,987	210 2,987	250 3,556	250 3,556	250 3,556
Tool diameter		mm inch	155 6.10	165 6.50	175 6.89	180 7.09	200 7.87	205 8.07	240 9.45
Suitable carrier		ton lbs	28~42 61,729~92,594	34~50 74,957~110,231	40~60 88,185~132,277	45~80 99,208~176,370	58~100 127,868~220,462	60~100 132,277~220,462	85~140 187,393~308,647

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