



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

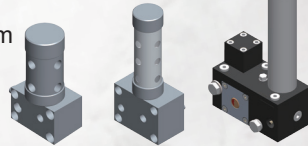
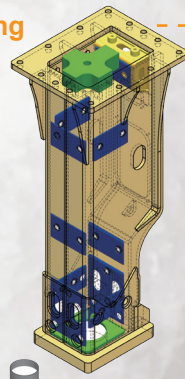
- Proactively prevent carrier hydraulic part fatigue failure
- Accelerate striking performance
- Prevent cavitation
- Increase seal & diaphragm service life
- Available for Danda 40V & above (excluding skid steer loader breaker)

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



Anti-bl

- Auto c
- is fully
- Ensure
- front h
- even a
- as ren
- Availa

Heavy duty fro

- Significantly enhance
- Extend front head s
- Available for DandaA

Tool pin hole protect

- Minimize direct contact between
- Protect tool pin hole damage
- Prevent hole cover missing a
- Extend tool pin and working t

Large size tool pin

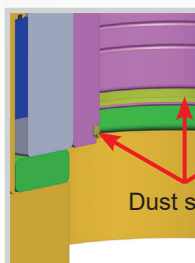
- Heavy duty oval shape dual pins
- Heat-treated, enlarged size
- Longer wear life
- Maintenance friendly design - bolt free,
- Available for Danda 70DX & above

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 130DX & above

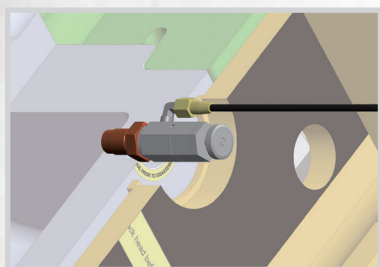


- Large capacity gas chamber & optimum piston size

- 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

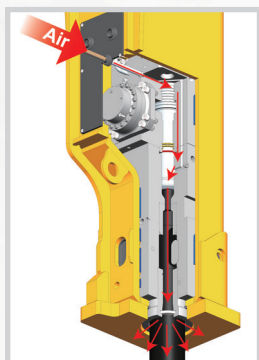


Air supply channel

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

Auto stop firing system (auto stop)

Auto stop hydraulic power when the material is broken
 Prolong service life of tool pin, working tool, head, piston, through bolt and diaphragm
 Suitable for the frequent dry firing applications such as
 initial, secondary rock breaking & scaling
 Suitable for Danda 60DX and 100DX & above



Front head block

Increased front head duty level
 Prolong service life
 Suitable for 130DX & above

or

Prevent debris and material to break
 Prevent debris from entering
 Prevent debris/dust entering
 Prolong tool wear life

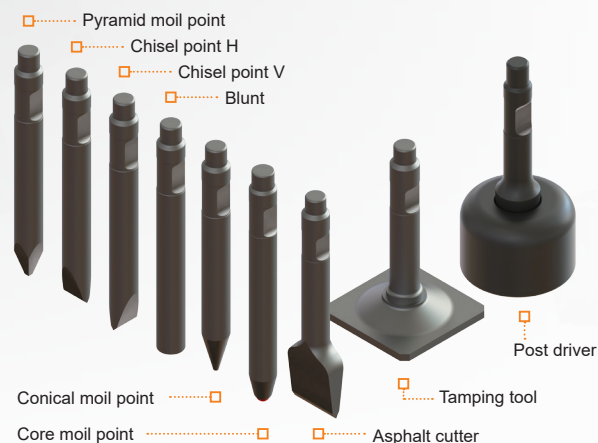
rubber plugged holes



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

- 19 breaker models that cover the entire CE industry carrier range from 0.5 to 100 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 8V	DandA 17V	DandA 40V	DandA 60V	DandA 70DX	DandA 80DX
Energy class	ft-lbs		150	225	400	600	850	1,100	1,500
Suitable carrier	lbs		1,100~3,300	1,800~6,600	3,300~11,000	8,800~15,500	11,000~19,900	13,300~22,100	15,500~26,500
Operating weight	lbs		180	310	400	730	900	1,150	1,320
Tool diameter	inch		1.57	1.77	2.24	2.76	2.95	3.15	3.54
Blow range	Power mode	bpm	800~1,200	550~1,000	600~1,500	380~1,000	380~900	400~800	350~700
	Speed mode	bpm						600~1,100	490~1,000
Operating pressure	psi		860~1,890	1,300~1,740	1,300~1,740	1,600~2,400	1,740~2,400	2,030~2,470	2,030~2,470
Required oil flow	gpm		4~6	4~8	6~19	8~16	9~18	10~22	11~22
Relief valve setting pressure	psi		2,540	2,540	2,540	2,540	2,540	2,540	2,540

* 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.

Medium breaker

			DandA 130DX	DandA 150DX	DandA 200DX	DandA 220DX	DandA 250DX	DandA 300DX
Energy class	ft-lbs		2,500	3,000	4,000	4,500	5,000	6,000
Suitable carrier	lbs		19,900~33,000	26,500~39,700	39,700~53,000	44,100~57,300	53,000~66,100	55,100~79,400
Operating weight	lbs		2,230	2,710	3,480	4,080	4,450	5,530
Tool diameter	inch		4.13	4.53	5.31	5.31	5.71	5.91
Blow range	Power mode	bpm	350~550	320~550	320~480	340~450	270~400	250~380
	Speed mode	bpm						300~450
Operating pressure	psi		2,030~2,760	2,030~2,760	2,320~2,760	2,320~2,760	2,320~2,760	2,320~2,760
Required oil flow	gpm		18~31	23~34	27~35	32~43	34~47	40~54
Relief valve setting pressure	psi		3,050	3,050	3,050	3,050	3,050	3,050

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Large breaker

			DandA 360DX	DandA 450DX	DandA 550DX	DandA 650DX	DandA 700DX	DandA 750DX
Energy class	ft-lbs		7,500	8,500	10,000	12,500	15,000	20,000
Suitable carrier	lbs		61,700~88,200	75,000~99,200	88,200~121,300	99,200~143,300	110,000~155,000	132,300~220,500
Operating weight	lbs		6,110	7,690	9,040	9,900	12,870	14,790
Tool diameter	inch		6.10	6.50	6.89	7.09	7.87	8.07
Blow range	Power mode	bpm	230~400	230~345	230~330	270~380	220~300	205~285
	Speed mode	bpm						235~420
Operating pressure	psi		2,320~2,760	2,250~2,760	2,250~2,760	2,250~2,760	2,470~3,050	2,470~3,050
Required oil flow	gpm		45~58	49~63	54~72	58~81	63~85	67~89
Relief valve setting pressure	psi		3,340	3,340	3,050	3,050	3,630	3,630

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Light material handling breaker

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

DandA 200CX			
Energy class	ft-lbs	3,500	
Suitable carrier	lbs	39,700~53,000	
Operating weight	lbs	3,480	
Tool diameter	inch	5.31	
Blow range	Power mode	bpm	300~410
	Speed mode	bpm	360~510
Operating pressure	psi	2,030~2,610	
Required oil flow	gpm	26~32	
Relief valve setting pressure	psi	3,050	

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Backhoe loader breaker



		DandA 40V	DandA 60V	DandA 70DX	DandA 80DX
Energy class	ft-lbs	600	850	1,100	1,500
Suitable carrier	lbs	8,800~15,500	11,000~19,900	13,300~22,100	15,500~26,500
Operating weight	lbs	730	900	1,150	1,320
Tool diameter	inch	2.76	2.95	3.15	3.54
Blow range	Power mode	bpm	380~900	400~800	350~700
	Speed mode	bpm		600~1,100	490~1,000
Operating pressure	psi	1,600~2,400	1,740~2,400	2,030~2,470	2,030~2,470
Required oil flow	gpm	8~16	9~18	10~22	11~22
Relief valve setting pressure	psi	2,540	2,540	2,540	2,540

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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.

Skid steer loader breaker



		DandA 17V	DandA 40V	DandA 60V	DandA 70DX
Energy class	ft-lbs	400	600	850	1,100
Suitable carrier	lbs	3,300~8,800	6,600~14,300	9,900~17,640	9,900~17,640
Operating weight	lbs	600	790	950	1,190
Tool diameter	inch	2.24	2.76	2.95	3.15
Blow range	Power mode	bpm	380~1,000	380~900	400~800
	Speed mode	bpm	600~1,500		600~1,100
Operating pressure	psi	1,450~2,760	1,600~2,760	1,740~2,760	2,030~2,760
Required oil flow	gpm	6~18	9~18	10~21	12~24
Relief valve setting pressure	psi	3,340	3,340	3,340	3,340

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 * Above operating weight includes 1 working tool, 2 hoses and 1 skid bracket that are supplied by the manufacturer only.



Ref. No. Brochure 03 / US English / Printed in Seoul 2024.06.0.5



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