

HYDRAULIC BREAKER

GB Makes Good Breaker · Good Business with GB



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Distributor



General Breakers

Constantly Strives to maximize the satisfaction of our customers throughout the world by offering high-quality products at competitive prices along with prompt and professional after-sales service.

In addition, We are exerting our utmost efforts to develop and apply innovative technology to manufacture of GB Hydraulic Hammers and Insertion Tools.



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GB Hydraulic Breaker has been considered as superb breaker which has durability and solidity on the basis of component consist of superb alloy steel and heat treatment. GB Breaker's inspection system has been progressing with high-priced inspection & test facility. All of the raw materials are examined by 2-D height gauge, endoscopy and micro-air plug gauge on purchase. And we completely make an inspection through breaker bench tester, tool present and micro-vickers hardness tester. Expressing strong confidence about high quality and inspection system, GB Breaker has proper warranty policy as well in case of any defects.



Quality

GB does not supply low quality products since we realise that the customers believe in GB's quality. All the main components are made by Korean materials and we produce all of them in house. Such qualified production process is able to manufacture top level breakers and it follows the international trend which prefers high quality of breakers. In connection with our quality, we always keep our motto "GB makes Good Breaker, Good Business with GB".

Guranteed Satisfaction!

VALVE ASS'Y

The cylindrical valve is built in the valve housing and it controls piston reciprocation.

INTERNAL VALVE MODEL

GBN10T, GBN20T, GBN30T, GBN40T, GBN45T, GBN60T, GBN70T, GBN100T, GBN140T, GBN170T, GBN210T, GBN220T, GBN300T, GBN350T, GBN400T, GBN450T, GBN520T, GBN620T, GBN800T

ACCUMULATOR ASS'Y

The accumulator compensates for pressure in the hydraulic circuit and prevents pulsation. It is not usually necessary to refill. Use N2-gas only.



• CYLINDER ASS'Y

PISTON

Kinetic energy of the piston is converted into hammering energy after hitting the tool. The hammering energy transmittek to the tool breaks rocks.

FRONT HEAD ASS'Y

The front head supports the whole breaker. The thrust ring and the thrust bush prevents shock from the tool.

VALVE ASS'Y

The cylindrical valve is built in the valve housing and it controls piston reciprocation.

EXTERNAL VALVE MODEL

GBN170E, GBN220E, GBN300E, GBN400E, GBN450E, GBN500E, GBN600E



• CYLINDER ASS'Y

PISTON

Kinetic energy of the piston is converted into hammering energy after hitting the tool. The hammering energy transmittek to the tool breaks rocks.

FRONT HEAD ASS'Y

The front head supports the whole breaker. The thrust ring and the thrust bush prevents shock from the tool.



Functions

Extended piston stroke

- Smoother operation
- Minimal repercussion on carrier

Improved properties (Piston)

- Improved emergency running properties
- Manufactured with high-quality nickel & vanadium alloy steel

GB Tool

- Exceptional performance and reliability
- Manufactured with high-quality alloy steel

Back Head

- Power accumulator

Lubrication adequate for entire shift

- Reduced wear and tear
- Consistent availability due to extended maintenance intervals

Cylinder & Valve

- Prevent scoring with precision finishing treatment

Tie Rod

- Dynamic screw design prevents damage

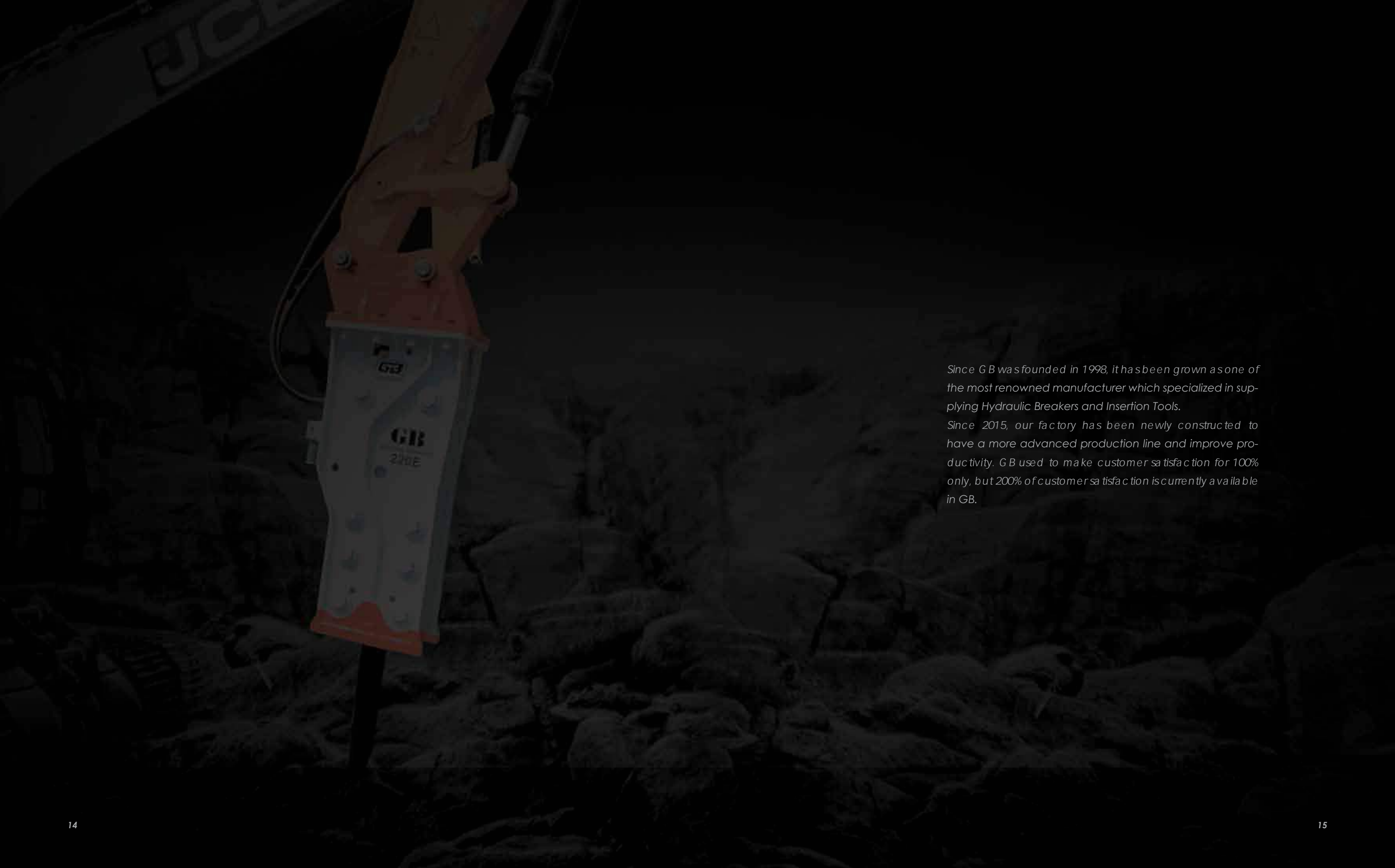
Accumulator (Some models applied)

- Reduces irregular pulse pressure on hydraulic circuit
- Improved striking power with supply of accumulated gas pressure



Standard Specification [VALVE INTERNAL]

Description		Model no.	GBN10T	GBN20T	GBN30T	GBN45T	GBN60T	GBN70T	GBN100T	GBN140T	GBN170T	
Operating Weight	Silenced	Kg	135	145	180	250	310	350	570	890	1,525	
		lb	298	320	397	551	683	772	1,257	1,962	3,362	
[Tool + M/C]	Open	Kg	75	86	160	225	324	380	613	850	1,481	
		lb	165	190	353	496	714	838	1,351	1,874	3,265	
Main Body Weight		Kg	50	60	86	112	156	192	266	434	543	
Tool (Moil Point Type)	Weight	Kg	4	5.5	8	12	18	23	38	54	90	
	Size	∅	40	45	53	60	70	75	90	100	125	
Operating Pressure (Breaker)		bar	90~120	90~120	90~120	100~130	110~140	120~150	130~160	150~170	150~170	
Setting Pressure (Machine)		bar	150	150	150	160	170	180	190	200	200	
Impact Rate		bpm	800~1,400	700~1,200	600~1,100	500~1,000	500~900	400~800	400~800	350~700	385~550	
Accumulator Head Pressure (N2-Gas)		bar/psi	NONE									60
Back Head Pressure (N2-Gas)		bar/psi	14	14	16	16	16	16	16	16	16	
Required Oil Flow		lpm	15~30	20~40	25~50	30~60	40~70	50~90	60~100	80~110	90~120	
Suitable Excavator	Min	ton	0.8	1.2	2.5	3.0	4.0	6.0	7	11	16	
	Max	ton	2.5	3.0	4.5	5.5	7.0	9.0	14	16	22	
	Suitable	ton	1.0	2.0	3.0	5.0	6.0	7.0	10	14	17	



Since GB was founded in 1998, it has been grown as one of the most renowned manufacturer which specialized in supplying Hydraulic Breakers and Insertion Tools.

Since 2015, our factory has been newly constructed to have a more advanced production line and improve productivity. GB used to make customer satisfaction for 100% only, but 200% of customer satisfaction is currently available in GB.



Standard Specification [VALVE INTERNAL]

Description		Model no.	GBN210T	GBN220T	GBN300T	GBN350T	GBN400T	GBN450T	GBN520T	GBN620T	GBN800T
Operation Weight	Silenced	Kg	1,770	1,870	2,170	2,650	3,038	3,215	4,341	4,650	5,215
		lb	3,902	4,123	4,784	5,842	6,698	7,088	9,570	10,251	11,497
[Tool + M/C]	Open	Kg	1,830	1,890	2,250	2,750	3,223	3,390	4,539	4,859	5,520
		lb	4,034	4,167	4,960	6,063	7,105	7,474	10,007	10,712	12,170
Main Body Weight		Kg	682	795	895	1,057	1,152	1,490	1,700	2,258	2,850
Tool (Moil Point Type)	Weight	Kg	122	135	152	163	223	251	302	376	440
	Size	∅	135	140	145	150	155	165	175	190	210
Operating Pressure (Breaker)		bar	160~180	160~180	160~180	160~180	160~180	160~180	160~180	160~180	160~180
Setting Pressure (Machine)		bar	210	210	220	220	220	220	220	220	220
Impact Rate		bpm	350~600	362~435	334~397	272~360	260~342	241~314	210~290	195~276	195~260
Accumulator Head Pressure (N2-Gas)		bar/psi	60								
Back Head Pressure (N2-Gas)		bar/psi	16	16	16	16	16	16	16	16	16
Required Oil Flow		lpm	100~150	125~150	160~190	160~190	190~250	200~260	210~290	240~340	300~400
Suitable Excavator	Min	ton	18	20	23	28	33	38	44	48	64
	Max	ton	24	28	34	41	50	57	69	76	101
	Suitable	ton	20	22	30	35	40	45	52	62	80



Standard Specification [VALVE EXTERNAL]

Description		Model no.	GBN170E	GBN220E	GBN300E	GBN400E	GBN450E	GBN500E	GBN600E
Operation Weight	Silenced	Kg	1,342	1,762	2,254	2,800	3,204	4,460	4,820
		lb	2,959	3,885	4,969	6,173	7,064	9,833	10,626
[Tool + M/C]	Open	Kg	1,410	1,840	2,409	2,950	3,420	4,670	4,950
		lb	3,109	4,057	5,311	6,504	7,540	10,296	10,913
Main Body Weight		Kg	483	690	889	1,228	1,486	1,795	1,880
Tool (Moil Point Type)	Weight	Kg	88	115	155	195	218	262	297
	Size	∅	120	135	150	160	165	175	185
Operating Pressure (Breaker)		bar	150~170	160~180	160~180	160~180	160~180	160~180	160~180
Setting Pressure (Machine)		bar	200	210	220	220	220	220	220
Impact Rate		bpm	450~700	450~600	400~550	300~400	230~300	210~285	190~270
Accumulator Head Pressure (N2-Gas)		bar/psi	60						
Back Head Pressure (N2-Gas)		bar/psi	6	6	6	6	16	16	16
Required Oil Flow		lpm	90~120	125~150	160~190	190~250	200~260	210~290	220~310
Suitable Excavator	Min	ton	16	18	24	33	35	44	50
	Max	ton	20	28	36	50	55	62	73
	Suitable	ton	17	22	30	40	45	50	60



Proven Solutions for Demolition / Mining / Rock Breaking Jobs

GB INDUSTRIES CO., LTD. constantly strives to maximize the satisfaction of our customers throughout the world by offering high-quality products at competitive prices along with prompt and professional after-sales service. In addition, we are expecting our utmost efforts to develop and apply innovative technology to manufacture of GB Hydraulic hammers and Insertion Tools.

Guranteed Satisfaction!

ACCUMULATOR ASS'Y

Membrane-type accumulators assist with power stroke and provide protection against hydraulic impact while the sealed nitrogen minimized and guarantees constant production.

PRESSURE REGULATOR

Ensures proper operating pressure at any flow rate within the specification range

CONTROL VALVE FOR CARRIER PROTECTION

It occurs frequently various changes of oil pressure inside of hammer during the operation. This valve can block any damage from the high impact energy causing of changes of oil pressure against to excavator.

PISTON

Kinetic energy of the piston is converted into hammering energy after hitting the tool.
The hammering energy transmitted to the tool breaks rocks.

OPTIMIZED PISTON DESIGN

To keep the most efficiency of power, the piston is in contact with the surface to the tool for energy transfer. Kinetic energy of the piston converted into hammering energy when the hits the tool and consequently rock is broken effectively.

EASY MAINTENANCE FOR LONG LIFE

This slip fit lower tool bushing is designed for easy field replacement and can be rotated 90 degrees for extended service life..



Standard Specification [FULL HYDRAULIC MODEL]

Description		UNIT	150H	180H	210H	260H	300H	380H	480H	680H
Operation Weight (Tool + M/C)	Silenced	Kg	1,123	1,500	1,874	1,920	2,396	3,006	3,920	4,682
	Main Body Weight	Kg	446	630	830	830	1,006	1,299	1,720	2,208
Tool (Moil Point Type)	Weight	Kg	82	85	100	110	128	170	228	290
	Size	∅	115	120	130	135	140	155	170	180
Operating Pressure (Breaker)		bar	140 ±5	140 ±5	140 ±5	140 ±5	140 ±5	145 ±5	155 ±5	155 ±5
Setting Pressure (Machine)		bar	175	175	175	175	175	185	190	190
Impact Rate		bpm	350~550	400~500	350~500	350~500	360~520	320~420	300~400	250~350
Accumulator Head Pressure (N2-Gas)		bar/psi	40 ±5							
Required Oil Flow		lpm	70~110	110~150	120~160	120~160	160~230	170~240	190~250	220~350
Suitable Excavator	Min	ton	13	18	21	21	26	33	43	52
	Max	ton	20	25	30	31	38	48	63	75



Efficiency

G B breakers have possessed high-tech Oil Flow System with continual development which makes it possible to maintain efficient impact force. By grafting our own technology, Operators can adjust the speed of each blow through particular application. It suggests they are able to conquer place of work with flexible and efficient response since operators can control the ration of shock wave against respective circumstance. Accordingly, we expect high quality work productivity of client as well as high quality of product.

Crusher

Features(Rotating Crushers)

- For powerful crushing performance
- Extended Durability with special steel
- Available in cutting steel reinforcing
- Innovation of opening and shutting speed



SPECIFICATIONS

Description	Unit	GBMC010R	GBC020R	GBMC030R-S	GBMC050H-S	GBMC-201II	GBMC-301II
Operating Weight	kg	105	180	357	480	1,650	2,630
Max. Opening Width	mm	280	360	430	520	900	1,100
Overall Length	mm	900	1,110	1,347	1,455	2,220	2,700
Crushing Force	ton	58	62	84	99	225	335
Rotation	-	360° free rotation			hydraulic rotation	360° free rotation	
Suitable Excavator	ton	0.7~2.0	1.5~3.0	2.5~5.0	4.5~8.0	18~26	26~32

Pulverizer

Features(Pulverizer)

- Powerful and fast performance
- Improvement with large opening width
- Compact exterior with Trunnion Cylinder system
- Changeable tooth type (Selectable)
- Intermediate valve equipped for speedy performance



SPECIFICATIONS(Pulverizer Fixed Type)

Description	Unit	GBPR050F	GBPR150F	GBPR200F	GBPR300F
Operating Weight	kg	500	1,300	1,730	2,300
Max. Opening Width	mm	630	840	970	1,050
Overall Width	mm	910	1,214	1,424	1,540
Overall Length	mm	1,245	1,663	1,955	2,110
Inner Width	mm	252	298	320	350
Body Width	mm	370	490	506	550
Crushing Force	ton	35	85	105	165
Acceleration Valve	-	standard			
Suitable Excavator	ton	4.5~8.0	12~18	20~28	29~40

Multi Processor

Features

- Maximum effectiveness with great crushing strength
- Multipurpose utilization (Crusher, Cutting machine, Pulverizer)
- Powerful performance with Twin Cylinder system
- Intermediate valve equipped for speedy performance
- Using material of High Strength & Wear Resistance for great durability



SPECIFICATIONS

Description	Unit	GBMP200H	GBMP300H
Operating Weight	kg	2,050	3,000
Max. Opening Width	mm	1,030	1,145
Overall Width	mm	1,364	1,573
Overall Length	mm	2,020	2,188
Overall Height	mm	682	811
Crushing Force	ton	170	220
Acceleration Valve	-	Standard	Standard
Rotation	-	360° hydraulic rotation	360° hydraulic rotation
Suitable Excavator	ton	20~28	29~40

Shear

Features

- Powerful cutting force
- Longer durability with strong power
- Easy cutter change
- Increased working efficiency with high speed
- 360° Rotation by Hydraulic motor



SPECIFICATIONS

Description	Unit	GBSH020R	GBSH030R-S	GBSH050H-S	GBMS-301	GBMS-301 II
Operating Weight	kg	190	290	500	2,450	2,800
Max. Opening Width	mm	205	230	290	570	602
Overall Width	mm	478	563	720	1,140	1,650
Overall Length	mm	1,085	1,247	1,468	2,400	2,650
Overall Height	mm	290	350	465	810	830
Cutting Force	ton	65	111	152	270	330
Rotation	-	360° free rotation			hydraulic rotation	
Suitable Excavator	ton	1.5~3.0	1.5~3.0	4.5~8.0	26~32	27~36

Vibro Hammer

Features

- Can be directly connected with excavator(no need crane)
- Superior working efficiency and wide range of works
- Highly effective BPM with low noise
- Available in hydraulic breaker piping
- 360° Rotation



SPECIFICATIONS

Description	Unit	GVH2000	GVH3000	GVH4000
Operating Weight	kg	1600	1800	1,900
Extension Boom Weight	kg	600	700	700
Clamping Jaw	mm	65		
Frequency	bpm	2000~2500		
Rotation	-	360°		
Length	mm	1857	1959	2,016
Width	mm	1042	1103	1,196
Height	mm	650	792	830
Hydraulic Oil Flow	lpm	130~180	170~200	200~260
Hydraulic Working Pressure	bar	180~200	200~250	200~250
Suitable Excavator	ton	20~28	28~34	33~40

Vibro Ripper

Features

- Powerful digging force by special link structure
- Excellent excavation power on soft rocks
- Environmental friendly product (less vibration and low noise)



SPECIFICATIONS

Description	Unit	GVR200	GVR300	GVR400	
Operating Weight(with mounting cap)	kg	2300	2980	3700	
Operating Pressure	vpm	180~200	220~240	220~240	
Operating Oil Flow	bar	130~150	170~190	190~210	
Hydraulic Motor power	LPM	50	67	76	
Frequency	ton	2,100	1,400	1,100	
Dimensions (without mountingcap)	Height	mm	2,480	2,790	3,280
	Width	mm	1,090	1,280	1,420
	Length	mm	840	880	990
Hydraulic Excavator	ton	18~24	25~34	35~44	

Stone Grapple

Features

- The safety check valve in cylinder prevents the grabbed material from falling
- Excellent abrasion-resistant and optimal frame of jaws
- Long lasting durability
- Excellent performance in carrying rocks



SPECIFICATIONS

Description	Unit	GSG50	GSG120	GSG200	GSG300
Carrier	ton	4~6	9~13	18~22	28~32
Max. Opening Width	mm	1,280	1,700	2,100	2,345
Overall Height	mm	430	507	620	665
Overall Length	mm	1,190	1,400	1,740	1,870
Operating Weight	kg	365	850	1,960	2,100
Cylinder Oil Pressure	kg/cm ²	110~200	150~220	160~240	160~240
Cylinder Setting Pressure	kg/cm ²	250	250	260	260
Flow Rate	l/min	30~50	90~120	100~150	130~200
Hydraulic Motor	-	MT500	MT500	white800A	White800A
Max. Torque	daNm	61	160	160	160
Max. Inlet Pressure	bar	225	300	300	300
Max. Speed	rpm	240	285	285	285
Max. Flow Rate	l/min	75	150	150	150
Tooth	Number	MX40-1070-05031	RX140-61M4-31210	DX220-K1000344A	DX300-713-00054A

Wood Grapple

Features

- Easy loading and unloading of logs, timber and scrub trees
- High efficiency in severe working environment with 360 degrees rotation
- Powerful and durable cylinder
- Strong mechanical structure for safety work



SPECIFICATIONS

Description	Unit	GW50A	GW120A	GW200A	GW300A
Carrier	ton	4~6	9~13	18~22	28~32
Max. Opening Width	mm	1,280	1,700	2,100	2,345
Overall Height	mm	430	507	620	665
Overall Length	mm	1,190	1,400	1,740	1,870
Operating Weight	kg	365	850	1,960	2,100
Cylinder Oil Pressure	kg/cm ²	110~200	150~220	160~240	160~240
Cylinder Setting Pressure	kg/cm ²	250	250	260	260
Flow Rate	l/min	30~50	90~120	100~150	130~200
Hydraulic Motor	-	MT500	MT500	white800A	White800A
Max. Torque	daNm	61	160	160	160
Max. Inlet Pressure	bar	225	300	300	300
Max. Speed	rpm	240	285	285	285
Max. Flow Rate	l/min	75	150	150	150
Tooth	Number	MX40-1070-05031	RX140-61M4-31210	DX220-K1000344A	DX300-713-00054A

Quick Coupler

Features

- The strongest durability on the same class
- Double safety device
- Reduce the working hours with fast removable coupler
- Enough space for the safety pin

Fixed Type



Free Type



SPECIFICATIONS

Description	Unit	Fixed Type			Free Type			
		GL300F	GL400F	GL30FR	GL50FR	GL80FR	GL130FR	GL200FR
Weight	kg	420~430	450~580	30~40	50~60	80~100	120~130	280~290
Length	mm	1020~1050	1120~1140	306~475	490~540	610~640	780~800	880~910
Height	mm	513~520	540~555	230~268	260~280	330~340	380~390	440~450
Width	mm	520~590	550~660	175~245	270~285	330~340	370~400	470~490
Equipping Distance	mm	470~510	530~580	90~200	230~280	260~310	360~390	440~475
Pin Diameter	∅	80~90	90~120	25~40	45~50	50~60	50~70	70~80
Applicable Excavator	ton	25~33	34~50	1~3	3~5	5~8	9~16	17~23

Compactor

Features

- High-quality oil pressure to all types of models
- All-in-one control valve blocking oil flow
- High efficiency in compacting the narrow ditch/trench works



SPECIFICATIONS









Description	Unit	GC04	GC06	GC08	GC10
Hardening Force	ton	4.0	6.5	15	15
Frequency Of Vibration	rpm	4.0	6.5	15	15
Oil Flow	l/m	4.0	6.5	15	15
Pressure Force	kg/cm ²	4.0	6.5	15	15
Weight	kg	4.0	6.5	15	15
Bottom Plate Size(L)	mm	4.0	6.5	15	15
Bottom Plate Size(W)	mm	4.0	6.5	15	15
Bottom Plate Size(T)	mm	4.0	6.5	15	15
Height	mm	4.0	6.5	15	15
Width	mm	4.0	6.5	15	15
Suitable Excavator	ton	4.0	6.5	15	15

GB Tools



TOOL CODE DESCRIPTION

GB Tools are guaranteed against defects in material and manufacturing. The liability of GB with respect to any warranty claim is limited to tools replacement and does not extend to any other incurred expenditure or to consequential damage.

Shape	Type	Code	Application
		Chisel CH	Non-Abrasive but Ductile Rock Low or Medium Penetration Rate ■ Concrete ■ Tunnelling ■ Concrete ■ Tunnelling
		Moil MO	Soft, Non-Aerasive Rock High Penetration Rate ■ Concrete ■ Tunnelling ■ Trenching
		Chisel CH	Soft, Non-Aerasive Rock ■ Concrete ■ Tunnelling ■ Trenching
		Chisel CH	Soft or Hard But Low or Medium Abrasive Rock ■ Concrete ■ Breaking Boulders

INTRODUCTION

GB manufactures the widest range of high quality demolition tools in Korea, compatible with most hydraulic heavy duty breakers.

Engineers at GB are doing their best in manufacturing process, quality control and R&D to produce the highest quality demolition tools in the world.

GB Tools are manufactured only with the highest quality materials, excellent workmanship and state-of-the-art heat treatment technology to ensure outstanding performance and durability.

The tools are made at our factory, equipped with various cutting-edge technology ensured by our customers.

We at GB guarantee customer satisfaction from the high quality of our products.

Please do not hesitate to contact us when you are interested in our tools.



World Wide Network

GB is currently supplying qualified products to all over the world and is always ready to approach everywhere for our valuable customers. Since GB shows its driving force to the customers from all over the world, GB breaker was able to have great reputations and trust in the international market. Nevertheless, GB is not satisfied with the current growth only and thus, established overseas branches to support the customers. The whole world is a stage of GB and we answer the customers' expectations immediately.

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