

Ramtec®

RB瑞克

**YANTAI RAMTEC ENGINEERING MACHINERY CO.,LTD**

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# Company Profile

## Ramtec-professional manufacturer

Yantai Ramtec Engineering Machinery Co., Ltd is a large-scale professional manufacturer of hydraulic breakers integrating R&D, manufacturing , sales and service.

The company has a standard production plant of 6000 square meters, an office space of 2000 square meters and a team of more than 70 people. The team includes engineers, senior machine technicians, equipment commissioning technicians and assemblers who have been engaged in research and development of hydraulic products for many years. The company has an annual designed production capacity of 3,500 units. At present, the company focuses on the Ramtec Breaker series of high-end breaker products (abbreviated as RB), with a complete production quality monitoring system, procurement monitoring system and strictly controlled assembly and assembly process as the basic guarantee. Now we are looking for you to join our global recruitment partners.



### Detailed explanation of external valve

Extra durable piston

- Increase the stroke of the piston to increase the striking force
- Special shock absorption system to reduce recoil, eliminate mechanical elasticity and protect main body
- Piston with special heat treatment and hardened plunger
- The precision of pistons and cylinders is further improved, reducing drag and increasing efficiency

High-quality high-pressure accumulator

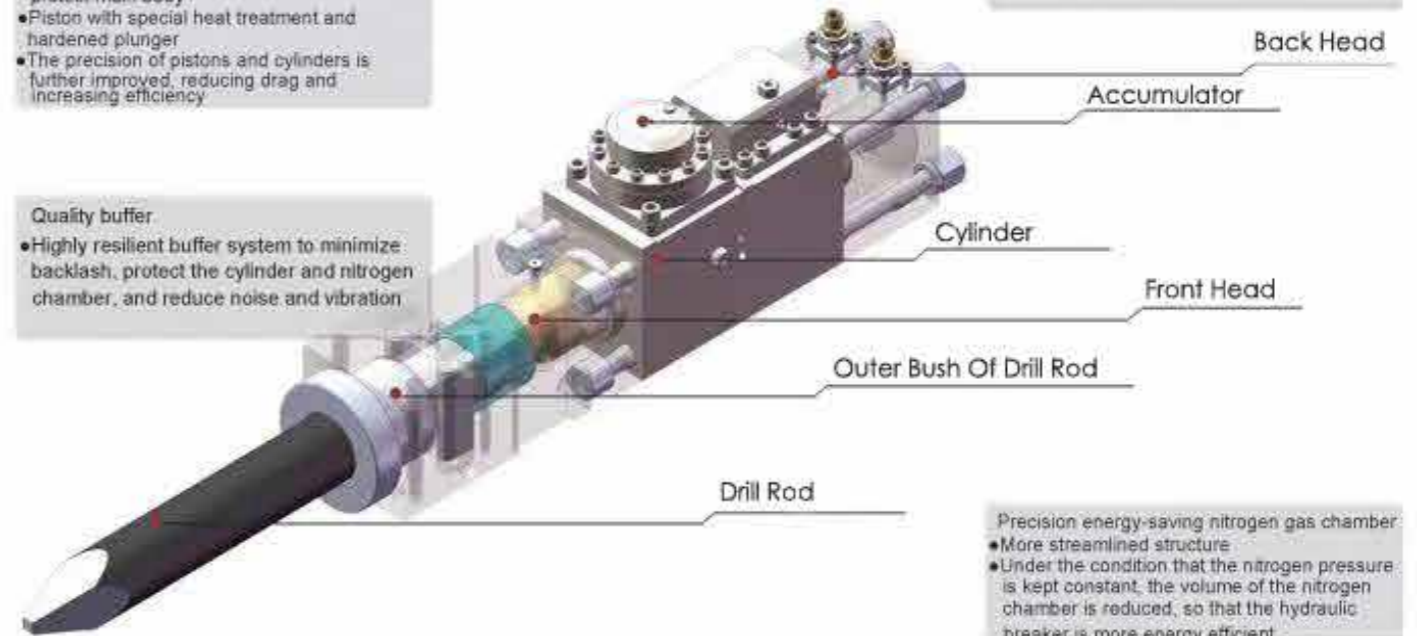
- Reduce pressure impact, increase impact energy, make the crusher more powerful

Quality buffer

- Highly resilient buffer system to minimize backlash, protect the cylinder and nitrogen chamber, and reduce noise and vibration

Precision energy-saving nitrogen gas chamber

- More streamlined structure
- Under the condition that the nitrogen pressure is kept constant, the volume of the nitrogen chamber is reduced, so that the hydraulic breaker is more energy efficient



### Detailed explanation of built-in valve

Built-in directional valve

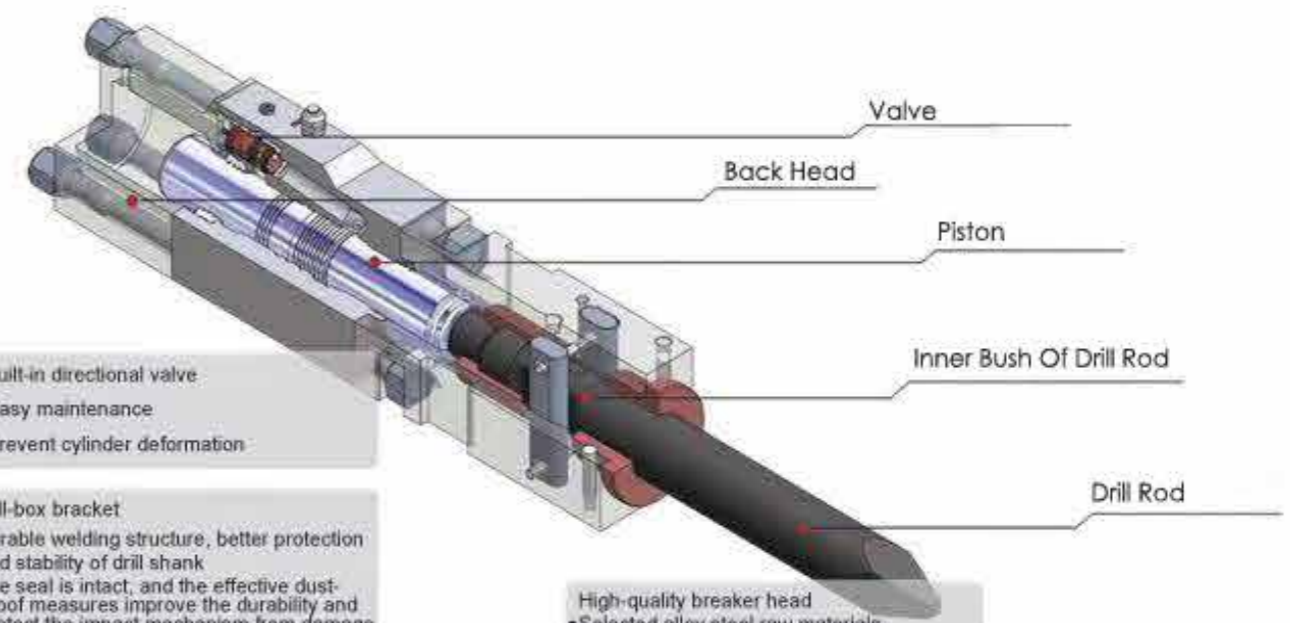
- Easy maintenance
- Prevent cylinder deformation

Full-box bracket

- Durable welding structure, better protection and stability of drill shank
- The seal is intact, and the effective dust-proof measures improve the durability and protect the impact mechanism from damage and premature wear of the bushing.
- Wide and light bracket with simple structure

High-quality breaker head

- Selected alloy steel raw materials
- High cost deep heat treatment
- Strong heat and wear resistance
- The thickened hardened layer is added on the upper end of the drill shank to increase the durability of the drill rod.



**Model**  
Light-duty Hydraulic Breakers

- RB 4
- RB 6A
- RB 8A
- RB 15A

### Light-duty Hydraulic Breakers



### SPECIFICATIONS

Items	Unit	RB4	RB6A	RB8A	RB15A
Body weight	kg	89	156	214	479
Total weight	kg	158	263	334	761
Total length	mm	1178	1373	1515	1900
Total width	mm	230	295	295	390
Hydraulic oil flow	l/min	25-50	40-70	50-90	80-110
Hydraulic pressure	kg/cm <sup>2</sup>	90-120	110-140	120-150	150-170
Blow frequency	bpm	600-1100	575-1035	460-920	400-800
Chisel diameter	mm	53	68	75	100
Carrier weight	ton	3-4	6-7	7-9	12-15

### APPLICABLE EXCAVATOR

Excavator brand	DOOSAN	VOLVO	HITACHI	KATO	KOBELCO	KOMATSU	SANY	LOVOL	HYUNDAI
RB4	DH30 SOLAR30/035 DSL602	EC30/25/35 ZL302	EX25/27/30 /33/34 UE30			PC10 PC12 PC15 PC20 PC27			HX15SR
RB6	DH55 DH60	EC55	EX25/27/30 /33/34 UE30	HD180 HD250 HD400	SK035 SK60	PC40 PC45 PC50 PC60	60 65	45	RB55-7 RB60-7
RB8			ZX60 ZX60W	HD250 HD400	SK60	PC45 PC50 PC60	65 75	60 65	
RB15	DH130 DH130W DH150 DH170	EC120 EC140	ZX100 ZX130W ZX150 ZX100WD ZX160WD	HD450 HD500 HD550 HD650	SK100 SK120	PC90 PC100 PC120 PC150 PW150	130-135	170	RB130-7 RB175 RB190 RB200

Excavator brand	CAT	KUBOTA	XCMG	LIUGONG	YUCHAI	CASE	SUNWARD	XGMA	Wheel Loader
RB4		35	40		YC35 YC55 YC65	CK23 CK28 CK31 40XT 60XT 1830	SWE30/40		
RB6		50 55	40 60	CLG904 CLG905 CLG907	YC65	28MAXI 31MAXI 35MAXI 50MAXI	SWE40/50/60 70/80	60-8	ZL10 ZL15 ZL30
RB8		60	60 70 80	CLG907		50	SWE60/70/80	60-8	ZL10 ZL30 ZL40
RB15	205 206 212 213 214 E110 E70B	161 185	150		YC135	WX120 588 788 795 900 CX130	SWE90/125 /130/150	140-8	ZL50



### Model

Medium-duty Hydraulic Breakers

- RB 20
- RB 22
- RB 26
- RB 30
- RB 35

## Medium-duty Hydraulic Breakers



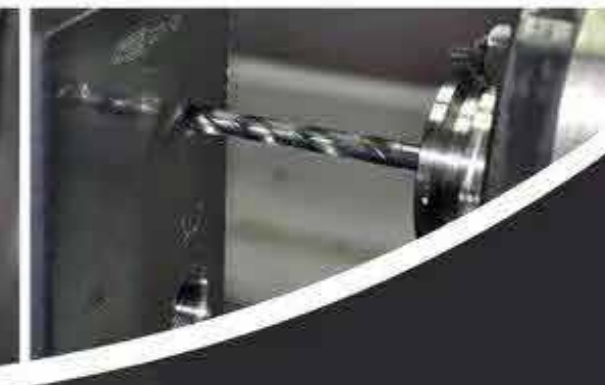
### SPECIFICATIONS

Items	Unit	RB20	RB20G	RB22	RB26	RB30	RB35
Body weight	kg	820	850	956	996	1313	1442
Total weight	kg	1462	1658	1809	1989	2577	2751
Total length	mm	2295	2367	2480	2630	2776	2816
Total width	mm	508	575	575	575	655	690
Hydraulic oil flow	l/min	100-150	130-150	120-180	110-140	160-180	160-180
Hydraulic pressure	kg/cm <sup>2</sup>	160-180	160-180	160-180	160-180	180-240	180-240
Blow frequency	bpm	350-600	400-800	350-500	450-650	300-450	250-400
Chisel diameter	mm	135	135	140	140	155	165
Carrier weight	ton	16-21	18-22	20-24	22-26	28-32	30-36

### APPLICABLE EXCAVATOR

Excavator brand	DOOSAN	VOLVO	HITACHI	KATO	KOBELCO	KOMATSU	SANY	LOVOL
RB20/20G	DH220 DH225	EC210	ZX200 ZX210 ZX220 ZX270	HD700 HD800 HD820	SK200 SK220 SK200E SK210E SK220E SK230E	PC220 PW210	200 210	220
RB22	DH220 DH225 DH258	EC210 EC240	ZX210 ZX220 ZX230 ZX240 ZX270	HD820-5 HD880 HD1023	SK220 SK230 SK250	PC200 PC220	230 235	230 240 260
RB26	DH220 DH225 DH258	EC210 EC240	ZX210 ZX220 ZX230 ZX240 ZX270	HD820-5 HD880 HD1023	SK220 SK230 SK250	PC200 PC220	230 235	230 240 260
RB35	DH300	EC290	ZX300 ZX330 ZX350	HD1200 HD1250 HD1430-3	SK300SK320 SK330SK350	PC250 PC300	285 310 330	

Excavator brand	HYUNDAI	CAT	XCMG	LIUGONG	CASE	SUNWARD	XGMA
RB20/20G	RB200 RB210 R215	E200B 320C 322	220 240 250	CLG200 CLG920	CX210 1188CK 9021N	SWE230	210LC-8 230LC-7B
RB22	RB220 RB205-7 RB225	320C 219 320 322 325	220 240 250	CLG210 CLG230 CLG920 CLG923C CLG925	CX210 1188CK 9021N	SWE230	230LC-7B 240LC-8
RB26	RB220 RB205-7 RB225	320C 219 320 322 325	210 220	CLG210 CLG230 CLG920 CLG923C CLG925	CX210 1188CK 9021N	SWE230	230LC-7B 240LC-8
RB35	RB290 RB360 RB420	330 E300 220 225 239	330		1288LC	SWE330	330LC-8



### Model

Heavy-duty Hydraulic Breakers

- RB 35F ■ RB 50
- RB 40 ■ RB 55
- RB 40L ■ RB 60
- RB 45 ■ RB 70

## Heavy-duty Hydraulic Breakers



### SPECIFICATIONS

Items	Unit	RB35F	RB40	RB40L	RB45	RB50	RB55	RB60	RB70
Body weight	kg	1590	2100	2850	2430	2800	2850	3010	3550
Total weight	kg	3277	4136	3714	4365	4800	4850	5500	6914
Total length	mm	2850	3150	3170	3326	3550	3610	3650	3670
Total width	mm	665	750	764	764	780	780	780	860
Hydraulic oil flow	l/min	200-250	200-240	200-270	200-240	200-240	200-240	200-240	220-240
Hydraulic pressure	kg/cm	170-200	220-270	220-240	220-270	220-270	220-270	220-270	290-350
Blow frequency	bpm	250-380	200-250	200-300	200-250	180-200	180-200	180-200	150-200
Chisel diameter	mm	165	175	175	185	190	195	200	215
Carrier weight	ton	30-40	35-40	35-40	40-45	46-55	50-60	48-65	70-80

### APPLICABLE EXCAVATOR

Excavator brand	DOOSAN	VOLVO	HITACHI	KATO	KOBELCO	KOMATSU	SANY
RB40/35F	DH360 DH420 DH500	EC360 EC460	ZX360 ZX400	HD1500 HD1800 HD2500	SK400 SK430 SK450	PC400	335 360 385 405
RB50/40L	DH420 DH500	EC460	ZX400	HD2500	SK430 SK450	PC400	405 465
RB60	DH450 DH500	EC460	ZX450 ZX500	HD2500	SK450	PC450 PC500	465

Excavator brand	HYUNDAI	CAT	XCMG	CASE	SUNWARD	XGMA
RB40/35F	R420 R450	329 335 330L E450 235C	370	1488LC 9033	SWE330	330LC-8
RB50/40L	R420 R450	E450 235C		1488LC 9033	SWE470	450LC-8
RB60	R450 R455 R485	345			SWE470	





### Side Type Breaker

Reduced overall length  
Easy to hook back  
Easy to maintain

### Top Type Breaker

Easy to control, easy to locate, more conducive to excavation  
No side weight, reducing the chance of broken rods  
Overall length is slightly longer and heavier

### Silenced Type Breaker

Low noise  
Closed structure, the main body is not easily damaged

### Product application range

Mine mining- exploitation of mountain, mining, secondary crushing, grid screening crushing  
Metallurgy-ladle, slag cleaning, furnace dismantling, dismantling of equipment foundation  
Road-highway repair, broken cement pavement, foundation excavation  
Railway-Opening of mountains, tunnelling, demolition of roads and bridges, compaction of subgrade  
Construction-old building demolished, reinforced concrete broken  
Ship repair - hull removal clam, derusting  
Others-ice breaking, frozen soil, sand vibration



## Finland Ramtec Plant Hydraulic Accessory

### Robi Series Products



MP series multifunctional hydraulic crusher shear



CG series hydraulic crushing grapple



MH series hydraulic breaker



DG series hydraulic dismantling grapple



BH series hydraulic breaker



EH series hydraulic breaker



MM series hydraulic crushing sieve



CC series hydraulic cutting shears