

*The Machine  
Never Tells a Lie!*



**AJCE**  
AJ Construction Equipment Co., Ltd.



**ABOUT AJCE**

AJCE is the Korean leading manufacturer in construction excavator attachment industry mainly focusing on hydraulic breakers.

Since 1990, AJCE has provided reliable quality products and support to our partners and their customers.

100% In-House manufacturing and usage of premium genuine materials has facilitated the development of the most extensive and long-term business partnerships all over the world.

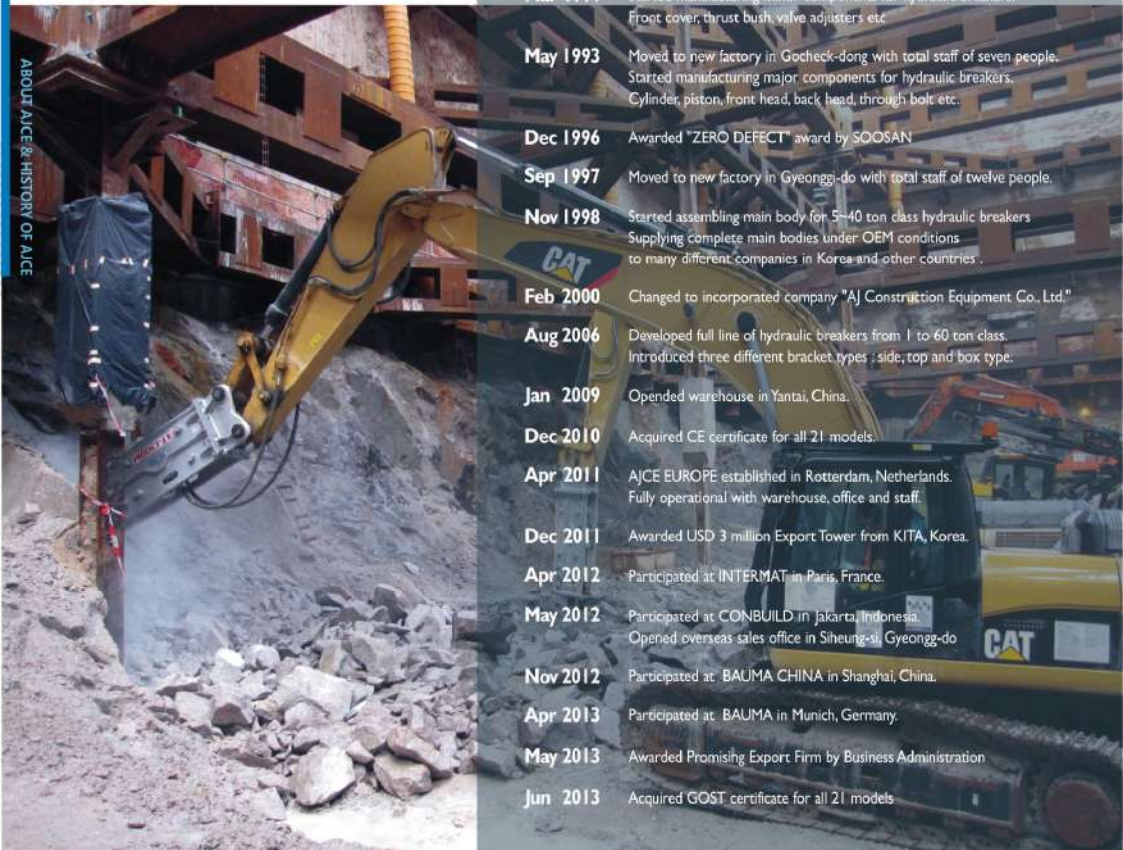
Rubust design, durable parts and well-experienced engineers have enabled AJCE to respond swiftly to various needs and wishes of our customers.

All AJCE hydraulic breakers are designed, manufactured and assembled by AJCE.



**HISTORY of AJCE**

- Feb 1990** Established "AJIN PRECISION" in Seoul by two persons  
Started manufacturing control valves for construction equipments
- Mar 1991** Started manufacturing minor components for hydraulic breakers.  
Front cover, thrust bush, valve adjusters etc
- May 1993** Moved to new factory in Gocheok-dong with total staff of seven people.  
Started manufacturing major components for hydraulic breakers.  
Cylinder, piston, front head, back head, through bolt etc.
- Dec 1996** Awarded "ZERO DEFECT" award by SOOSAN
- Sep 1997** Moved to new factory in Gyeonggi-do with total staff of twelve people.
- Nov 1998** Started assembling main body for 5-40 ton class hydraulic breakers  
Supplying complete main bodies under OEM conditions to many different companies in Korea and other countries .
- Feb 2000** Changed to incorporated company "AJ Construction Equipment Co., Ltd."
- Aug 2006** Developed full line of hydraulic breakers from 1 to 60 ton class.  
Introduced three different bracket types : side, top and box type.
- Jan 2009** Opened warehouse in Yantai, China.
- Dec 2010** Acquired CE certificate for all 21 models.
- Apr 2011** AJCE EUROPE established in Rotterdam, Netherlands.  
Fully operational with warehouse, office and staff.
- Dec 2011** Awarded USD 3 million Export Tower from KITA, Korea.
- Apr 2012** Participated at INTERMAT in Paris, France.
- May 2012** Participated at CONBUILD in Jakarta, Indonesia.  
Opened overseas sales office in Siheung-si, Gyeonggi-do
- Nov 2012** Participated at BAUMA CHINA in Shanghai, China.
- Apr 2013** Participated at BAUMA in Munich, Germany.
- May 2013** Awarded Promising Export Firm by Business Administration
- Jun 2013** Acquired GOST certificate for all 21 models



ABOUT AJCE & HISTORY OF AJCE



**TECHNICAL SPECIFICATION**

Description / Model		Small Range							Medium Range				Large Range					Medium Range		Large Range				
		Inward valve type without Accumulator														Inward valve type with Accumulator					Outward valve type with Accumulator			
		100M	200M	300M	350M	400M	430M	450M	500M	600M	710M	810M	1000M	1200M	1250M	1400M	1500M	180F	280F	380F	480F			
Suitable Excavator	ton	0.8-2.5	1.2-3.0	2.5-4.5	3.0-5.5	4-7	6-9	7-14	11-16	15-18	16-21	18-26	25-30	28-35	30-36	30-45	40-55	12-18	18-25	25-33	33-45			
	lb	1764-5512	2646-6614	7716-9921	6722-12125	8962-15432	13228-19841	15432-30864	24251-35274	33069-39683	35274-46297	39683-57320	55115-66137	61729-77140	66120-79344	66138-99207	88184-121253	26455-39683	39283-55115	55115-72752	72752-99207			
Operating Weight	Top Type	kg	99	121	148	224	321	407	638	979	1463	1698	2050	2271	3059	3151	3503	4216	1479	1787	2591	2871		
		lb	218	266	326	493	706	895	1407	2154	3219	3736	4510	4996	6730	6944	7707	9275	3254	3731	5700	6316		
	Box Type	kg	113	139	168	247	325	413	629	948	1427	1650	1978	2279	2896	2983	3399	4390	1463	1766	2519	2796		
		lb	249	306	370	543	715	909	1384	2086	3139	3630	4352	5014	6371	6575	7478	9658	3219	3885	5542	6151		
Side Type	kg	77	99	132	196	275	418	561	842	1381	1609	1950	2359	2655	2735	3289	4167	1406	1698	2462	2728			
	lb	169	218	290	436	605	920	1234	1852	3038	3540	4290	5190	5841	6027	7236	9167	3093	3736	5416	6002			
Required Oil Flow	l/min	15-30	20-40	25-50	30-60	40-70	50-90	60-100	80-110	90-120	100-150	120-180	150-210	180-240	180-250	200-260	210-290	115-150	125-160	175-220	200-250			
	gal/min	4.0-8.0	5.3-10.6	6.6-13.2	7.9-16.0	10.6-18.5	13.2-23.8	15.9-26.4	21.1-29.1	23.8-31.7	26.4-39.6	31.7-47.6	39.6-55.5	47.6-63.4	47.5-63.4	50.8-68.7	55.5-76.6	30.4-39.6	33.0-42.3	46.2-58.1	52.8-66.1			
Setting Pressure	bar	150	150	150	150	170	180	190	200	210	210	210	210	210	210	210	210	210	210	210	210			
	psi	2134	2134	2134	2134	2418	2560	2702	2845	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987	2987			
Operating Pressure	bar	90-120	90-120	90-120	100-130	110-140	120-150	130-160	150-170	150-170	160-180	160-180	160-180	160-180	160-180	160-180	160-180	160-180	160-180	160-180	160-180			
	psi	1280-1707	1280-1707	1280-1707	1422-1849	1565-1991	1707-2134	1849-2276	2134-2418	2134-2418	2276-2560	2276-2560	2276-2560	2276-2560	2276-2560	2276-2560	2276-2560	2276-2560	2276-2560	2276-2560	2276-2560			
Impact Energy	joule	203	271	406	542	677	1017	1355	2033	2711	3423	4067	5423	6779	8812	10846	12202	2646	3692	5193	10388			
	ft.lbs	150	200	300	400	500	750	1000	1500	2000	2524	3000	4000	5000	6527	8000	9000	1951	2722	3829	7661			
	kg.m	21	27	42	56	70	104	139	208	277	350	415	554	692	904	1107	1245	270	377	530	1060			
Impact Rate	bpm	800-1400	700-1200	600-1100	500-1000	500-900	400-800	400-800	350-700	350-650	350-600	350-500	300-450	300-450	250-400	250-350	250-350	350-650	350-600	300-450	300-400			
Hose Diameter	inch	3/4, 1	3/4, 1	3/4, 1	3/4, 1	3/4, 1	3/4, 1	3/4, 1	1	1	1	1	1	1 1/4	1 1/4	1 1/4	1 1/4	1	1	1	1 1/4			
Noise Level	dB	106	107	109	117	109	115	112	114	115	120	118	120	123	123	124	125	114	120	120	123			
Tool Diameter	mm	40	45	53	60	68	75	85	100	125	135	140	150	155	155	165	175	120	135	150	155			
	inch	1.6	1.8	2.1	2.4	2.7	3.0	3.4	4.0	4.9	5.3	5.5	5.9	6.1	6.1	6.5	7.0	4.7	5.3	5.9	6.2			

\* The above specifications are subject to change without prior notice for the quality enhancement. \* Operating weight include mounting cap, Pin sets and Tool by AEM regulation. \* Noise level is for Box type.



# SUITABLE EXCAVATORS

MODEL	TON	DOOSAN	DAEWOO	HYUNDAI	VOLVO	CATERPILLAR	KOMATSU	HITACHI	KOBELCO	CASE	NEW HOLLAND	JCB	KUBOTA	HIDROMEK	YANMAR	SUMITOMO	JOHN DEERE	IHI	LIEBHERR	
100M	0.8-2.5	DX7 / DX10		R15 / R16	EC15 / EC20		PC05 / PC09 / PC12	EX08 / ZX10	SK09 / SK13 / SK15	CX16 / CX18 / CX20	E9 / E16 / E18	8008 / 8010 / 8014	U-10 / U-17		VO10 / VO15					
200M	1.2-3.0	DX10 / DX15 / DX18 DX27 / DX30 / DX35		R15 / R16 / R22			PC12 / PC15 / PC16 PC18 / PC20 / PC26	ZX10 / ZX14 / ZX15 ZX16 / ZS17 / ZX18	SK13 / SK15 / SK16 SK17 / SK20 / SK25	CX16 / CX18 / CX20 CX22 / CX27	E16 / E18 / E20	8010 / 8014 / 8016 8018 / 8020 / 8025								
300M	2.5-4.5	DX27 / DX30 / DX35		R22 / R28 / R35	EC20 / EC25 ECR28 / M90(SKID)	301.5C / 303C	PC20 / PC26 / PC27 PC30 / PC35 / PC40	ZX18 / EX20 / ZX22 ZX25 / EX30 / ZX35	SK17 / SK20 / SK25 SK27 / SK30 / SK35	CX27 / CX31 / CX35	E20 / E22 / E27 E30 / E35	8018 / 8020 / 8025 8030	U-20		VO15 / VO17 / VO20 VO27 / VO30 / VO35		170 / 270 / 350	15NK2 / 20NK2 / 25NK2		
350M	3.0-5.5	DX30 / DX35		R35 / R36 / R45 HLS850-7(SKID)	ECR28 / EC30 / EC35 EC38 / M90(SKID)	303C / 304C	PC30 / PC35 / PC40 PC45	EX20 / ZX22 / ZX25 EX30 / EX40	SK27 / SK30 / SK35 SK45 / SK50	CX31 / CX35 / CX40 CX50	E30 / E35 / E40	8018 / 8020 / 8025 8030	U-20 / U-30 / KX161-3		VO20 / VO27 / VO30 VO35		JD250	20NK2 / 25NK2		
400M	4-7	DX50 / DX55 / DX60		R45 / R50 / R55	EC35 / EC38 / EC45 EC55 / ECR58 / EW60	304C / 305C / 424	PC40 / PC45 / PC55 PC60	EX40 / ZX50 / ZX55 ZX60	SK45 / SK50 / SK55	CX40 / CX50	E40 / E50	3CX / 3CD / 4CX 8040 / 8045 / 8052 8060	U-30 / KX161-3		VO30 / VO35 / VO55		500 / 600 JD315 / JD410	AICH D600 30NK2 / 35NK2		
430M	6-9	DX70 / DX75		R75 / R80	ECR88	424 / 307D / 308D	PC60 / PC75 / PC78	EX60 / EX70 / ZX80 ZX80 / ZX85	SK70 / SK80	CX75	E70 / E75 / E80	3CX / 3CD / 4CX J270 / 8080	HMK102		VO55		750, 800			
450M	7-14	DX70 / DX75 / DX80				308D / 311C / 312D	PC75 / PC80 / PC88 PC90 / PC100 / PC110	ZX70 / ZX85 / EX90 EX100 / ZX110	SK70 / SK80 / SK100	CX80 / WX95					VO75 / VO100		85D			
500M	11-16	DX130 / DX140 / DX155		R110 / R130 / R140 R150	EC130 / EC140 / EW145 EC150	311C / 312D / 313D 314D / 315D	PC110 / PC120 / PC130	EX100 / ZX110 / EX120 ZX130 / ZX135	SK100 / SK115 / SK135 SK140	WX125 / CX130 / CX135 WX145	E115 / E135 / E145	JS115 / JS130 / JS140 JS145	HMK140		VO100 SH130		120C / 135D	A312 / A314		
600M	15-18	DX160 / DX170 / DX180		R160 / R170 / R180	EC160 / EW170 / EC180	315D / 316C / 317C 318C	PW150 / PC160 / PW170 PC180	ZX160 / ZX180	ED150 / SK160 / SK170	CX160 / WX165 / CX180 WX185	E150 / EW160 / E170 E175	JS160 / JS175 / JS180			SH160		160C / 190D	A316 / A900 / A912		
710M	16-21	DX190 / DX200 / DX210		R170 / R180 / R200 R210 / R220	EW170 / EW180 / EW200 EC210	317C / 318C / 320D	PW170 / PC180 / PC200 PC210 / PC220	ZX200 / ZX210 / ZX225	ED195 / SK200 / SK210 SK215 / SK220	CX180 / CX185 / CX210	E195 / E200	JS180 / JS190 / JS200 JS210 / JS220	HMK200 / HMK220		SH200 / SH210		210C	A904 / A914		
810M	18-26	DX200 / DX210 / DX220 DX225 / DX250		R200 / R210 / R220 R250	EW200 / EC210 / ECR235 EC240	320D / 321C / 322D 323D / 324D / 200B	PC200 / PC220 / PC228 PC230 / PC240	ZX200 / ZX210 / ZX225 ZX230 / ZX240	SK200 / SK210 / SK215 SK220 / SK230 / SK235	CX210 / CX225 / CX230 WX240	E215 / E220 / E225 E235 / E245	JS230 / JS235 / JS240 JS255			SH300		210C / 225C / 230C 240D			
1000M	25-30	DX250 / DX255 / DX280 DX290 / DX300		R250 / R290 / R300 R305	EC240 / EC290	324D / 325B / 330D 229D	PC270 / PC290 / PC300	EX270 / ZX280 / EX300	SK250 / SK260 / SK295	CX290	E265 / E305	JS260 / JS290	HMK300		SH300		270D	A924		
1200M	28-35	DX290 / DX300 / DX320 DX330 / DX340		R280 / R290 / R300 R305 / R320 / R360	EC290 / EC305 / EC330 EC360	325D / 328D / 329D 330D / 235D	PC290 / PC300 / PC308 PC330 / PC340 / PC350	ZX280 / EX300 / ZX330 ZX350	SK295 / SK330 / SK350	CX290 / CX330 / CX350	E305 / E335	JS290 / JS330			SH300 / SH330 / SH350		330C / 350D	A934 / R935		
1300M	30-45	DX320 / DX330 / DX340 DX360 / DX370 / DX400 DX420 / DX450 / DX470		R300 / R320 / R360 R380 / R450	EC330 / EC360 / EC460	330C / 336D / 345D	PC300 / PC308 / PC330 PC340 / PC350 / PC400 PC450	EX300 / ZX330 / ZX350 EX400 / ZX450	SK330 / SK350 / SK400 SK480	CX330 / CX350	E335 / E385	JS330 / JS460	HMK370		SH350 / SH450 / SH460		330C / 350D / 370C	A934 / R944		
1400M																				
1500M	40-55	DX400 / DX420 / DX450 DX470 / DX480 / DX500		R450 / R470 / R500	EC460 / EC465	345C / 350F / 245C	PC400 / PC450 / PC600	EX400 / EX450 / ZX470 ZX500 / ZX520	SK400 / SK480 / SK485		E385 / E485	JS460			SH450 / SH460 / SH480 SH500		450C	R944 / A954		
180F	12-18	DX140 / DX155 / DX160 DX170 / DX180		R140 / R150 / R160 R170 / R180	EC140 / EW145 / EC150 EC160 / EC170 / EC180	314D / 315D / 316C 317C / 318C	PC150 / PC160 / PW170 PC180	ZX160 / ZX180	SK140 / SK150 / SK160 SK170	CX145 / CX160 / WX165 CX180	E145 / E150 / EW160 E170 / E175	JS140 / JS145 / JS160 JS175 / JS180	HMK140		SH160		160C	A316 / A900 / A912		
280F	18-25	DX180 / DX190 / DX200 DX210 / DX220 / DX225 DX250		R180 / R200 / R210 R220 / R250	EW180 / EW200 / EC210 ECR235 / EC240	318C / 320D / 321C 322D / 323D / 324D 325B / 200B	PC180 / PC200 / PC210 PC220 / PC228 / PC230 PC240	ZX180 / ZX200 / ZX210 ZX225 / ZX230 / ZX240	ED195 / SK200 / SK210 SK220 / SK230 / SK235	CX180 / CX185 / CX210 CX225 / CX230 / WX240	E195 / E200 / E215 E220 / E225 / E235	JS180 / JS190 / JS200 JS210 / JS220 / JS230 JS235 / JS240	HMK200 / HMK220		SH200 / SH210		190D / 210C / 225C 230C / 240D	A904 / A914		
380F	25-33	DX250 / DX255 / DX280 DX290 / DX300 / DX320		R250 / R290 / R300 R305 / R320	EC290 / EC305 / EC330	325B / 329D / 330C	PC270 / PC290 / PC300 PC308 / PC330	EX270 / ZX280 / EX300 ZX330	SK250 / SK260 / SK295 SK330	WX240 / CX290 / CX330	E265 / E305	JS255 / JS260 / JS290	HMK300		SH300		270D	A924		
480F	33-45	DX330 / DX340 / DX360 DX370 / DX400 / DX420 DX450 / DX470		R360 / R380 / R450	EC330 / EC360 / EC460	330C / 336D / 345D 235D	PC330 / PC340 / PC350 PC400 / PC450	ZX330 / ZX350 / EX400 ZX450	SK330 / SK350 / SK400	CX330 / CX350	E335 / E385	JS330 / JS460	HMK370		SH330 / SH350 / SH450 SH460		330C / 350D / 370C 450C	A934 / R944		

\* B, C, W, LC, etc and dash numbers are omitted on above table.

\* Suitable hydraulic breaker is to be chosen well according to excavator and job condition, which is largely related to its power and performance.



## AJCE BREAKER FUNCTIONS & OPTIONS

Contents	100M	200M	300M	350M	400M	430M	450M	500M	600M	710M	810M	1000M	1200M	1250M	1400M	1500M	180F	280F	380F	480F
Box / Side / Top Bracket	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Skid Steer Loader Bracket	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Backhoe Loader Bracket					●	●	●													
Vibration Absorption Accumulator										●	●	●	●	●	●	●	●	●	●	●
Underwater Hammering System Hole	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Auto Greasing System Hole										●	●	●	●	●	●	●	●	●	●	●
Speed Control by Valve Adjuster								●	●	●	●	●	●	●	●	●	●	●	●	●
Power Control by Cylinder Adjuster										●	●	●	●	●	●	●	●	●	●	●
Round Front Head for Box Type										●	●	●	●	●	●	●	●	●	●	●
Hardox Reinforced Top Bracket							●	●	●	●	●	●	●	●	●	●	●	●	●	●
Anti Blank Firing System										●	●	●	●	●	●	●	●	●	●	●
ORFS In/Out Fitting										●	●	●	●	●	●	●	●	●	●	●

● Standard  
● Option



## CHISEL CHOICE

	Chisel type	Working Site
Moil		All demolition work, Road construction, Bridge foundation
Wedge		All demolition work, Trenching rocks, Cutting concrete
Blunt		Mining, Quarrying, Crushing rocks
Cone		Quarrying rocks, Cracking concrete



## Outward valve type



- **Air check valve** enables underwater hammering.  
Applicable breakers : from 500M to 1500M, from 180F to 480F.
- **Auto greasing system** for easy greasing, safety, improving productivity and comfort for the operator.  
Applicable breakers : from 500M to 1500M, from 180F to 480F.
- **Accumulator** absorbs shocks and fluctuations, improving life-time of hydraulic breakers.  
Applicable breakers : from 710M to 1500M, from 180F to 480F.
- **On control valves** enable sufficient flow of oil into the cylinder.
- **Piston** manufactured using only premium quality materials  
Special heat-treatment increases the quality and durability of main components.
- **Valve adjuster** enables the operators to control the speed and power output of hydraulic breaker.  
Variable speed and power increases the productivity according to the requirements in the field.  
Applicable breakers : from 600M to 1500M, from 180F to 480F.
- Longer tool pin prevent abrasion and increase the life of the tool.
- Thicker lower bushes installed on top type breakers, improve the wearing resistance and time interval of service maintenance.



YouTube

## Inward valve type



## Advantage of Real Manufacturer



### Robust Structure



### Stable Quality



### Competitive Price



### Powerful Performance



### Customized OEM



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