

The Machine Never Tells a Lie!



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 Gocheck-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 1~50 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.
- Nov 2012** Participated at BAUMA 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
- Dec 2013** Awarded USD 5 million Export Tower from KITA, Korea

ABOUT AJCE & HISTORY OF AJCE





TECHNICAL SPECIFICATION

Description / Model			Inward valve type without Accumulator										Inward valve type with Accumulator						Outward valve type with Accumulator			
			Small Range						Medium Range				Large Range						Medium Range		Large Range	
			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	29~36	35~45	40~55	12~18	18~25	25~33	35~45
		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	63934~79366	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	198	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	47.5~66.1	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	¾, ½	¾, ½	½	½	½	½	¾	¾	1	1	1	1	1¼	1¼	1¼	1¼	1	1	1	1¼
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	158
		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	BOBCAT / 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	VIO10 / VIO15	S70 / S100 / S130	
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	VIO15 / VIO17 / VIO20 VIO27 / VIO30 / VIO35	S150 / S160 / S175 / S185 S205 / S510 / S530 S550 / S570 / S590 17D / 27D / 35D	15NX2 / 20NX2 / 25NX2
350M	3.0~5.5	DX30 / DX35	R35 / R36 / R45 HSL850-7(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	VIO20 / VIO27 / VIO30 VIO35	S630 / S650 / S750 S770 / S850 JD250	20NX2 / 25NX2
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	VIO30 / VIO35 / VIO55	50D / 60D JD315 / JD410	AICHI D600 30NX2 / 35NX2
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 JZ70 / 8080	HMK102	VIO55	75D, 80D	
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				VIO75 / VIO100	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	VIO100 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	EW170 / EW180 / EW200	317C / 318C / 320D	PW170 / PC180 / PC200	ZX200 / ZX210 / ZX225	ED195 / SK200 / SK210	CX180 / CX185 / CX210	E195 / E200	JS180 / JS190 / JS200	HMK200 / HMK220	SH200 / SH210	210C	A904 / A914
			R210 / R220	EC210		PC210 / PC220		SK215 / SK220			JS210 / JS220			210C / 225C / 230C 240D	
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	HMK300	SH300 / SH330 / SH350	270D	A924
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			330C / 350D	A934 / R935
1200M	28~35	DX290 / DX300 / DX320 DX330 / DX340	R280 / R290 / R300 R305 / R320	EC290 / EC305 / EC330	325D / 328D / 329D 330C	PC290 / PC300 / PC308 PC330 / PC340 / PC350	ZX280 / EX300 / ZX330 ZX350	SK295 / SK330 / SK350	CX290 / CX330 / CX350	E305 / E335	JS290 / JS330				
1250M	29~36	DX290 / DX320 / DX330 DX330 / DX340 / DX360	R290 / R300 / R305 R320 / R360	EC290 / EC305 / EC330 EC360	329D / 330C / 336D	PC290 / PC300 / PC308 PC330 / PC340 / PC350	EX300 / ZX330 / ZX350								
1400M	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
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	1300M	1400M	1500M	180F	280F	380F	480F
Box / Side / Top Bracket	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Skid Steer Loader Bracket	●	●	●	●	●	●														
Backhoe Loader Bracket					●	●	●													
Vibration Absorbtion 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 Bracket									●	●	●	●	●	●	●	●	●	●	●	●
Anti Blank Firing System									●	●	●	●	●	●	●	●	●	●	●	●

● ● ● 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 100M 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 810M 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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