



Internal Structure of AJCE Hammers

F series (Outward valve type)

- ✓ **Accumulator** absorbs shocks and fluctuations, improving life-time of hydraulic breakers.
Applicable breakers : from 810M to 1500M, from 180F to 750F.
- ✓ **Valve adjuster** controls the speed and power output of hydraulic breaker.
Applicable breakers : from 600M to 1500M, from 180F to 750F.
- ✓ **ABF(Anti Blank Firing)** system protects main body from idle hammering.
Applicable breakers : all models
- ✓ **Auto greasing system** improves productivity and comfort for operators.
Applicable breakers : from 500M to 1500M, from 180F to 750F.
- ✓ **Long chisel pin** and **round nut** increase the life time of front head.
Applicable breakers : all models
- ✓ **On control valve** provides sufficient oil flow into the cylinder.
- ✓ **Air check valve** enables underwater hammering.
Applicable breakers : all models



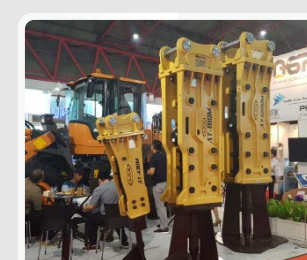
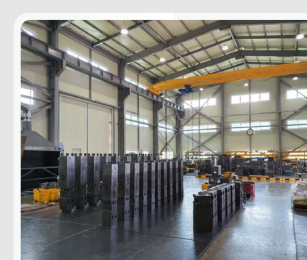
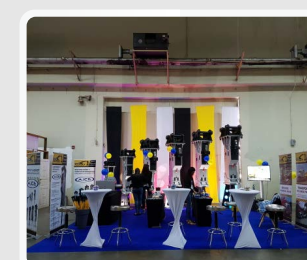
f FACE BOOK



You Tube

M series (Inward valve type)

Advantage of Real Manufacturer



CE ISO9001
ISO14001

PCF

KITA MEMBER

KCCI
TRADE CERTIFICATION
SERVICE CENTER



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The Machine Never Tells a Lie!



About AJCE

AJCE is a Korean manufacturer in the construction equipment industry, mainly focusing on hydraulic breakers.

Since 1990, the real factory has supported dealers with quality products and sincere services.

100% In-house manufacturing and the use of premium materials have facilitated the development of the most extensive and long-term business partnerships worldwide.

Robust design, durable parts, and well-experienced engineers have enabled us to respond swiftly to the various needs and wishes of customers.

All AJCE hammers are designed, manufactured, and assembled by AJCE KOREA.



History of AJCE

- Feb 1990** Established AJIN PRECISION and started manufacturing control valves for construction equipments.
- Mar 1991** Started producing minor components for hydraulic breakers Such as front cover, thrust bush, through bolt, etc.
- May 1993** Moved to 2nd factory and started manufacturing major components for rock breakers Such as cylinder, front head, piston, etc.
- Sep 1997** Moved to 3rd factory and started assembling and providing OEM
- Feb 2000** Changed to incorporated company, AJ Construction Equipment Co., Ltd.
- Aug 2006** Developed full line of hydraulic hammers from 1 to 60 tons class
- Jan 2009** Opened AJCE China in Yantai
- Dec 2010** Acquired CE certificate and opened AJCE Europe in Rotterdam, Netherlands
- May 2013** Awarded Promising Export Firm by Business Administration
- Jun 2013** Acquired GOST certificate
- Dec 2013** Awarded USD 5 million Export Tower from KITA, Korea
- Jun 2014** Awarded E-Trade Frontier by Governor of Gyeonggi province
- Aug 2014** Acquired Certificate of Product-Specific Approved Exporter by Customs Service, Korea
- Nov 2015** Acquired Certificate of Designation Small Giant in Export by IBK
- Dec 2019** Opened its 4th factory(3500m²) in Maehwa Industrial Complex
- Aug 2021** Acquired ISO 9001 / 14001





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					
		MINI	100M	200M	300M	350M	400M	430M	450M	500M	600M	710M	810M	1000M	1200M	1400M	1500M	180F	250F	350F	450F	550F	650F	750F	
Suitable Excavator		ton	0.8~1.7	0.8~2.5	1.2~3.0	2.5~4.5	3~6	4~8	5~10	7~14	10~18	15~22	18~24	20~26	25~35	28~38	35~50	45~60	14~20	18~25	25~35	35~50	45~65	50~75	60~85
		lb	1763~3747	1763~5511	2646~6613	5511~9920	6613~12125	8818~17636	11023~22046	15432~30864	22046~39683	33069~48501	39683~52910	44092~57320	55115~77161	61729~83775	77161~110231	99208~132277	30864~44092	39683~55115	55115~77161	77161~110231	99208~143300	110231~165346	132277~187392
Operating Weight	Top Type	kg	75	105	125	165	230	300	400	600	900	1450	1700	2000	2500	2800	3500	4500	1400	1850	2500	3500	4500	5000	6000
		lb	165	231	275	363	507	661	881	1322	1984	3196	3747	4409	5511	6172	7716	9920	3086	4078	5511	7716	9920	11023	13227
	Box Type	kg	85	120	140	185	250	300	400	600	870	1450	1700	2000	2500	2800	3500	4500	1400	1850	2500	3500	4500	5000	6000
		lb	187	264	308	407	551	661	881	1322	1918	3196	3747	4409	5511	6172	7716	9920	3086	4078	5511	7716	9920	11023	13227
Required Oil Flow		l/min	15~30	15~30	20~40	25~50	30~60	40~70	50~90	60~100	80~110	90~120	110~150	120~180	150~210	180~240	200~260	220~300	110~150	120~180	150~210	200~260	220~300	250~350	350~450
		gal/min	4.0~8.0	4.0~8.0	5.3~10.5	6.6~13.2	8.0~15.9	10.6~18.5	13.2~23.8	15.9~26.4	21.1~29.0	23.8~31.7	29.0~39.6	31.7~47.6	39.6~55.5	47.6~63.4	50.8~68.7	58.1~79.3	29.1~39.6	31.7~47.6	39.6~55.5	50.8~68.7	58.1~79.3	66.0~92.5	92.5~118.9
Setting Pressure		bar	150	150	150	150	150	170	180	190	200	210	210	210	210	210	220	230	210	210	210	220	230	240	250
		psi	2175	2175	2175	2175	2175	2465	2610	2755	2900	3045	3045	3045	3045	3045	3190	3335	3045	3045	3045	3190	3335	3480	3626
Operating Pressure		bar	90~120	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	170~190	180~200	160~180	160~180	160~180	170~190	180~200	190~210	210~230
		psi	1305~1740	1305~1740	1305~1740	1305~1740	1450~1885	1595~2030	1740~2175	1885~2320	2175~2465	2175~2465	2320~2610	2320~2610	2320~2610	2320~2610	2465~2755	2610~2900	2320~2610	2320~2610	2320~2610	2465~2755	2610~2900	2755~3045	3045~3335
Impact Energy		joule	244	305	407	611	814	1018	1356	2036	2712	4067	5423	6107	8143	10178	13558	16270	4067	5423	8143	13558	16270	20337	23047
		ft.lbs	180	225	300	450	600	750	1000	1500	2000	3000	4000	4500	6000	7500	10000	12000	3000	4000	6000	10000	12000	15000	17000
Impact Rate		bpm	700~1200	700~1200	600~1100	500~1000	400~900	400~800	350~700	350~700	300~600	300~550	250~500	250~450	200~350	200~350	200~300	150~250	250~550	250~500	200~350	200~300	150~250	100~200	100~200
Hose Diameter		inch	1/2	1/2	1/2	1/2	1/2, 3/4	1/2, 3/4	1/2, 3/4	3/4	3/4	1	1	1	1	1-1/4	1-1/4	1-1/4	1	1	1	1-1/4	1-1/4	1-1/4	1-1/4
Noise Level		dB	106	106	107	109	109	109	110	112	114	115	120	118	120	123	124	125	114	120	120	123	126	127	128
Chisel Diameter		mm	35	40	45	53	60	68	75	85	100	125	135	140	150	155	165	175	120	135	150	160	180	190	200
		inch	1.4	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	6.5	6.9	4.7	5.4	5.9	6.3	7.1	7.5	7.9

* The operating weight includes mount cap and chisel as per AJCE standard.

* The above specifications are subject to change without prior notice for the quality enhancement.

Suitable Excavations

MODEL	TON	DOOSAN / DEVELON	HYUNDAI	VOLVO	CATERPILLAR	KOMATSU	HITACHI	KOBELCO	CASE / JCB	KUBOTA / HIDROMEK	YANMAR / SUMITOMO	BOBCAT / JOHN DEERE	SANY	XCMG	LIUGONG
MINI	0.8~1.7	DX10 / DX17	R10 / R17	EC15	300.9 / 301.5	PC09 / PC12	ZX08 / ZX10 / ZX17	SK08 / SK10 / SK17	CX15 / CX17	K008 / KX015 / KX016	VIO10 / VIO12 / VIO17	E10 / S70 / 17G	SY16	XE15	9017F
100M	0.8~2.5	DX10 / DX17 / DX20	R10 / R17 / R18 R25	EC15 / EC18 / EC20 EC25	300.9 / 301.5 / 301.7 301.8 / 302	PC09 / PC12 / PC15 PC18 / PC20 / PC26	ZX08 / ZX10 / ZX17	SK08 / SK10 / SK17 SK19 / SK25	CX15 / CX17 18Z / 19C	K008 / KX015 / KX016 KX018 / KX019	VIO10 / VIO12 / VIO17 VIO23	E10 / E19 / E20 / 17G S70 / S450	SY16 / SY18	XE15 / XE18 / XE20	9017F / 9018F
200M	1.2~3.0	DX17 / DX20 / DX27 DX35	R17 / R18 / R25 R30 / R35	EC15 / EC18 / EC20 EC25 / EC27	301.7 / 302 / 302.7 303	PC12 / PC15 / PC18 PC20 / PC26 / PC30	ZX17 / ZX19 / ZX26	SK17 / SK19 / SK25 SK26 / SK28	CX15 / CX17 / CX26 CX30 / 18Z / 19C	KX015 / KX016 / KX018 KX018 / KX027 / KX030	VIO12 / VIO17 / VIO23 VIO26 / VIO27	E19 / E20 / E26 / 17G / 26G S70 / S450 / S510	SY16 / SY18 / SY26	XE15 / XE18 / XE20 XE27	9017F / 9018F / 9027F
300M	2.5~4.5	DX27 / DX35	R25 / R30 / R35	EC25 / EC27 / E35 EC40	302.7 / 303 / 303.5 304	PC26 / PC30 / PC35 PC40 / PC45	ZX26 / ZX33	SK25 / SK26 / SK28 SK34 / SK39	CX26 / CX30 / CX37 CX42 35Z	KX027 / KX030 / KX037 KX042	VIO26 / VIO27 / VIO33 VIO35 / VIO38	E26 / E32 / E35 E42 / S450 / S510 S590 / S650 / S770 26G / 30G / 35G	SY26 / SY35	XE27 / XE35	9027F / 9035E
350M	3~6	DX35 / DX50	R30 / R35 / R55 R60	EC35 / EC40 / EC60	303 / 303.5 / 304 306	PC30 / PC35 / PC40 PC45 / PC55 / PC60	ZX33 / ZX48 / ZX55	SK34 / SK39 / SK50 SK58	CX30 / CX37 / CX42 CX57 35Z / 55Z	KX030 / KX037 / KX042 KX060 HMK62	VIO35 / VIO38 / VIO50	E32 / E35 / E42 / E50 E60 / 30G / 35G / 50P S590 / S650 / S770	SY35 / SY50 / SY55 SY60	XE35 / XE55 / XE60	9035E / 9057F / 906E
400M	4~8	DX50 / DX65 / DX75	R55 / R60 / R65 R80	EC40 / EC60	304 / 306 / 307.5 308	PC40 / PC45 / PC55 PC60 / PC75 / PC78	ZX48 / ZX55 / ZX65 ZX75	SK50 / SK58 / SK75	CX57 / CX60 / CX75 CX80 / 35Z / 55Z 3CX / 4CX	KX042 / KX060 HMK62	VIO50 / VIO55 / VIO57	E42 / E50 / E60 S770 50P / 60P / 75G	SY50 / SY55 / SY60 SY65 / SY75 / SY80	XE55 / XE60 / XE75 XE80	9057F / 906E / 908E
430M	5~10	DX50 / DX65 / DX75 DX85 / DX100	R55 / R60 / R65 R80 / R85 / R100	EW60 / ECR88	306 / 307.5 / 308 309 / 310	PC55 / PC60 / PC75 PC78 / PC88 / PC100	ZX55 / ZX65 / ZX75 ZX85	SK50 / SK58 / SK75 SK85	CX57 / CX60 / CX75 CX80 / 55Z / 85Z 100Z / 3CX / 4CX	KX060 / KX085 HMK62 / HMK102	VIO50 / VIO55 / VIO57 VIO75 / VIO85	E50 / E60 / E88 50P / 60P / 75G 85G	SY50 / SY55 / SY60 SY65 / SY75 / SY80 SY95	XE55 / XE60 / XE75 XE80	9057F / 906E / 908E 909ECR
450M	7~14	DX75 / DX85 DX100 / DX135	R80 / R85 / R100 R140	ECR88	307.5 / 308 / 309 310 / 313	PC75 / PC88 / PC100 PC120 / PC138	ZX75 / ZX85 / ZX130	SK75 / SK85 / SK130	CX140 / CX145 / 85Z 100Z / JS131 / SJ145	KX085 HMK102	VIO75 / VIO85 / VIO100 SH130 / SH145 / SH180	E88 75G / 85G / 130P	SY75 / SY80 / SY95 SY135	XE80 / XE135	908E / 909ECR / 913E
500M	10~18	DX100 / DX135 / DX150	R100 / R140 / R160 R180	EC140 / EC145	310 / 313 / 315 317	PC120 / PC138	ZX130 / ZX160 / ZX170 ZX180	SK130 / SK140 / SK160 SK180	CX140 / CX145 / CX170 JS131 / SJ145 / SJ160	HMK140 / HMK150	VIO100 SH130 / SH145 / SH180	130P / 160P	SY135 / SY155	XE135 / XE150 / XE155 XE160	913E / 915E
600M	15~22	DX150 / DX170 / DX200 DX210	R160 / R180 / R200 R210 / R220	EC200	315 / 317 / 320	PC170	ZX160 / ZX170 / ZX180 ZX190 / ZX200	SK160 / SK180	CX170 JS160 / JS190 / JS220	HMK150 / HMK200 HMK210	SH180 / SH200 / SH210	160P / 190G / 200G 210P	SY155 / SY215	XE150 / XE155 / XE160 XE205 / XE210 / XE215	915E / 920E / 922E
710M	18~24	DX200 / DX210 / DX225 DX240	R180 / R210 / R220 R235	EC200 / EC210 / EC220 EC225 / EC235 / EC240	320 / 323	PC170 / PC200 / PC210 PC215	ZX190 / ZX180 / ZX200 ZX220 / ZX240	SK180 / SK200 / SK210 SK230 / SK240	CX220 JS190 / JS220	HMK200 / HMK210 HMK220 / HMK230	SH180 / SH200 / SH210 SH235	190G / 200G / 210P	SY215 / SY225	XE205 / XE210 / XE215	920E / 922E / 923F
810M	20~26	DX200 / DX210 / DX225 DX240	R200 / R210 / R220 R235 / R250	EC200 / EC210 / EC220 EC225 / EC235 / EC240	320 / 323 / 325 326	PC200 / PC210 / PC215 PC228 / PC230 / PC240	ZX200 / ZX220 / ZX240	SK200 / SK210 / SK230 SK240 / SK260	CX220 / CX245 / CX260 JS220 / JS245	HMK200 / HMK210 HMK220 / HMK230	SH200 / SH210 / SH235 SH250	200G / 210P / 245P 250P	SY215 / SY225 / SY245	XE205 / XE210 / XE215 XE250 / XE265	920E / 922E / 923F 925E / 926F
1000M	25~35	DX280 / DX300 / DX340	R250 / R290 / R300 R320 / R340 / R350	EC240 / EC290 / EC300 EC305 / EC350	325 / 326 / 330 335	PC290 / PC300	ZX280 / ZX300 / ZX330 ZX350	SK260 / SK270 / SK300 SK350	CX260 / CX290 / CX300 CX350 / JS300 / JS330	HMK300 / HMK310	SH250 / SH300 / SH330 SH350	250P / 300P / 345P	SY265 / SY305 / SY335	XE250 / XE265 / XE300 XE310	925E / 926F / 930F 933E
1200M	28~38	DX280 / DX300 / DX340 DX370	R290 / R300 / R320 R340 / R350 / R380	EC290 / EC300 / EC305 EC330 / EC350	330 / 335 / 336	PC290 / PC300 / PC330	ZX300 / ZX330 / ZX350	SK300 / SK330 / SK350 SK380	CX290 / CX300 / CX350 CX365 / JS300 / JS330	HMK300 / HMK310	SH300 / SH330 / SH350 SH360 / SH370	300P / 345P / 350P 380P	SY305 / SY335 / SY365 SY375	XE300 / XE310 / XE360 XE370 / XE380	930F / 933E / 936E
1400M	35~50	DX350 / DX370 / DX400 DX420 / DX450 / DX470 DX500	R350 / R380 / R430 R480 / R500	EC360 / EC380 / EC460 EC480	335 / 336 / 345 349 / 350	PC360 / PC390 / PC400	ZX350 / ZX400 / ZX450	SK350 / SK380 / SK400 SK450 / SK500	CX350 / CX365 / CX490 CX500 JS370	HMK370 / HMK390 HMK410 / HMK490 HMK500	SH350 / SH360 / SH370 SH450 / SH470 / SH480 SH490 / SH500	350P / 380P / 470P	SY365 / SY375 / SY390 SY415 / SY500	XE360 / XE370 / XE380 XE490	936E / 938E / 939F 942E / 943E / 950F
1500M	45~60	DX450 / DX470 / DX500 DX550	R480 / R500 / R520	EC460 / EC480 / EC550	345 / 349 / 350 352	PC450 / PC490 / PC500	ZX450 / ZX470 / ZX490 ZX520	SK450 / SK500 / SK530 SK550	CX490 / CX500 JS460	HMK490 / HMK500	SH450 / SH470 / SH480 SH490 / SH500	470P	SY500 / SY550	XE490 / XE600	950F / 950E
180F	14~20	DX150 / DX170 / DX200	R140 / R160 / R180 R200	EC140 / EC145 / EC200	315 / 317 / 320	PC150 / PC160 / PW170 PC180	ZX160 / ZX170 / ZX180 ZX190 / ZX200	SK160 / SK180 / SK200	CX140 / CX145 / CX170 JS160 / JS190 / JS220	HMK140 / HMK150	SH145 / SH180	160P / 190G / 200G	SY155	XE150 / XE155 / XE160	915E / 920E
250F	18~25	DX180 / DX200 / DX210 DX225 / DX240	R180 / R200 / R210 R220 / R250	EC200 / EC210 / EC220 EC225 / EC235 / EC240	320 / 323 / 325	PC180 / PC200 / PC210 PC220 / PC228 / PC230 PC270 / PC290 / PC300 PC308 / PC330	ZX180 / ZX190 / ZX200 ZX220 / ZX240	SK180 / SK200 / SK210 SK230 / SK240	CX220 / CX245 / CX245 JS190 / JS220	HMK200 / HMK210 HMK220 / HMK230	SH180 / SH200 / SH210 SH235 / SH250	190G / 200G / 210P 245P / 250P	SY215 / SY225 / SY245	XE205 / XE210 / XE215 XE250	920E / 922E / 923F 925E
350F	25~35	DX280 / DX300 / DX340	R250 / R290 / R300 R330 / R350	EC290 / EC300 / EC305 EC330 / EC350	325 / 330 / 335	PC330 / PC340 / PC350 PC400 / PC450	ZX280 / ZX300 / ZX330 ZX350	SK260 / SK300 / SK330 SK350	CX260 / CX290 / CX300 CX350 / JS300 / JS330	HMK300 / HMK310	SH250 / SH300 / SH330 SH350	250P / 300P / 345P 350P	SY265 / SY305 / SY335	XE250 / XE265 / XE300 XE310	925E / 926F / 930F 933E
450F	35~50	DX350 / DX370 / DX400 DX420 / DX450 / DX470 DX500	R350 / R380 / R430 R480 / R500	EC360 / EC380 / EC460 EC480	335 / 336 / 345 349 / 350	PC330 / PC340 / PC350 PC400 / PC450	ZX350 / ZX400 / ZX450 ZX470 / ZX490	SK350 / SK380 / SK400 SK450 / SK500	CX350 / CX365 / CX490 CX500 JS460	HMK370 / HMK390 HMK410 / HMK490 HMK500	SH350 / SH360 / SH370 SH450 / SH470 / SH480 SH490 / SH500	350P / 380P / 470P	SY365 / SY375 / SY390 SY415 / SY500	XE360 / XE370 / XE380 XE490	936E / 938E / 939F 942E / 943E / 950F
550F	45~65	DX450 / DX470 / DX500 DX550	R480 / R500 / R520	EC460 / EC480 / EC550	345 / 349 / 350 352	PC450 / PC490 / PC500 PC600	ZX450 / ZX470 / ZX490 ZX520	SK450 / SK500 / SK530 SK550	CX490 / CX500 JS460	HMK490 / HMK500	SH450 / SH460 / SH470 SH480 / SH490 / SH500	470P	SY500 / SY550 / SY650	XE490 / XE600	950F / 950E
650F	50~75	DX500 / DX550 / DX700	R500 / R520	EC550	350 / 352 / 365 374	PC490 / PC500 / PC600 PC650	ZX520 / ZX650 / ZX670 ZX690	SK500 / SK530 / SK550 SK750	CX500 / CX750	HMK500	SH500 / SH700	670P	SY500 / SY550 / SY650 SY750	XE600 / XE690	970E
750F	60~85	DX800	R850	EC700 / EC750	365 / 374 / 385	PC600 / PC650 / PC700	ZX650 / ZX670 / ZX690 ZX750	SK750 / SK850	CX750		SH700 / SH800	670P / 870P	SY650 / SY750 / SY870	XE600 / XE690	970E

* B, C, D, 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

Functions	MINI	100M	200M	300M	350M	400M	430M	450M	500M	600M	710M	810M	1000M	1200M	1400M	1500M
Box / Side / Top Bracket	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Skid Steer Loader Bracket	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Backhoe Loader Bracket					●	●	●	●								
Vibration Absorbtion Accumulator												●	●	●	●	●
Underwater Hammering Channel		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Auto Greasing Channel								●	●	●	●	●	●	●	●	●
Speed Control by Valve Adjuster										●	●	●	●	●	●	●
Power Control by Cylinder Adjuster																
Long Chisel Pin								●	●	●	●	●	●	●	●	●
Anti Blank Firing System												●	●	●	●	●
Round Bottom Nut for Box Bracket										●	●	●	●	●	●	●

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

