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ACE
ACE HEAVY MACHINERY CO., LTD

ACE makes difference,
The difference makes a better world.



ACE VIBRO HAMMER

- Worm gear mechanism lowers failure rate
- Piston seal type for rotary joint, reduces oil leaking
- Coolant injection prevents overheating
- External gauge shows pressure easily



W350 BASIC TYPE

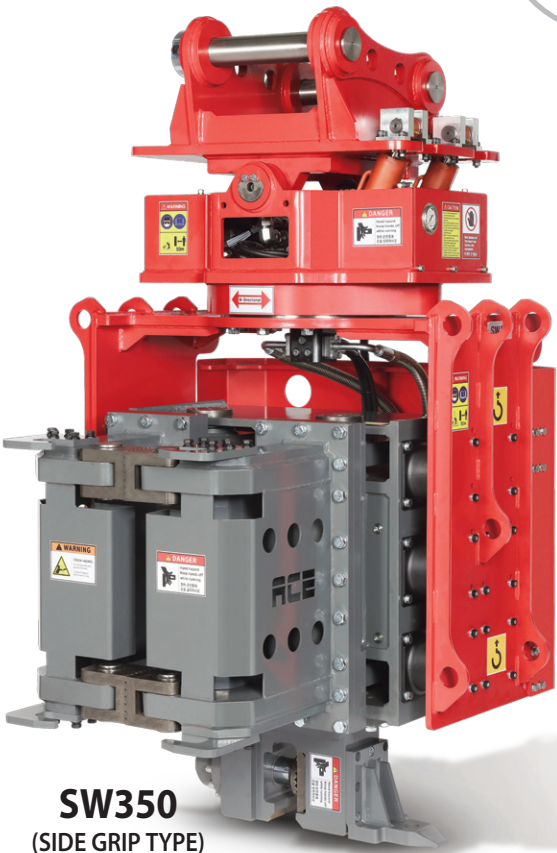


FW350
(TILTING TYPE)

• Pressure gauge
Shows pressure level easily



• Slewing gear
Our gears are made of high grade alloy steel



SW350
(SIDE GRIP TYPE)

• Main gear
Our gears can go down the depth, more efficient vibrating



• Worm gear
Both gears prevent falling, no check valve, lower maintenance cost



Cushion rubber
High quality Genuine AUTOX (made in Korea)



Control valve block
Uses original PARKER control valve with high precision and quality



Vibrating motor
Motors(Rexroth or Parker brand (made in EU)) specialized for vibrating



Model	UNIT	FW350 (Tilting type)	SW350 (Side grip type)	W350 (Basic type)
Suitable excavator	ton	20~30	20~26	20~30
Service weight	kg	1,740	2,800	1,590
Extension boom weight	kg	580	-	580
Motor size	cc	60	60	60
Frequency	bpm	2,500~3,000	2,200~2,800	2,200~2,800
Centrifugal force	Kn	650	450	650
Amplitude	mm	12	12	12
Setting pressure	bar	250~270	250	250~270
Required oil flow	L/min	200~252	112~201	112~201
Slewing	degree	360	360	-
Tilting	degree	90	11	-
Max. H-beam thickness	mm	60	60	60
Dimension (L x W x H)	mm	2,290 x 1,340 x 780	2,214 x 1,312 x 1,268	1,790 x 1,340 x 670

ACE BREAKER

- Easy & Fast Maintenance!
- Ready to work at any working sites!
- Priority system for customer satisfaction!



ACE TOP Type / Medium duty range



ITEM / MODEL	UNIT	ACE 100T	ACE 150T	ACE 160T	ACE 200T	ACE 220T	ACE 250T
Operating Weight	kg	890	1,210	1,431	1,675	1,700	1,786
	lb	1,962	2,668	3,155	3,693	3,748	3,937
Oil Capacity	l/min	80~110	90~120	90~120	100~150	125~150	120~180
Setting pressure	bar (psi)	190 (2,756)	210 (3,046)	210 (3,046)	210 (3,046)	210 (3,046)	210 (3,046)
Operating pressure	bar	150~170	150~170	150~170	160~180	160~180	160~180
	psi	2,176 ~ 2,466	2,176 ~ 2,466	2,176 ~ 2,466	2,321 ~ 2,611	2,321 ~ 2,611	2,321 ~ 2,611
Impact rate	bpm	350~700	400~900	350~650	350~600	400~800	350~500
Impact energy	kgf.m (Joule)	160.2 (1,570)	260 (2,549)	276.5 (2,710)	360 (3,724)	430 (4,217)	475 (4,655)
Hose diameter	inch	3/4"	1"	1"	1"	1"	1"
Tool diameter	mm	100	120	125	135	135	140
Tool length	mm	1,000	1,100	1,100	1,200	1,200	1,300
Carrier weight	ton	11~16	13~18	15~18	16~21	18~26	18~26

ACE TOP Type / Heavy duty range



ITEM / MODEL	UNIT	ACE 350T	ACE 380T	ACE 400T	ACE 450T	ACE 500T	ACE 550T
Operating Weight	kg	2,100	2,237	2,838	3,310	3,065	4,002
	lb	4,630	4,932	6,257	7,297	6,757	8,823
Oil Capacity	l/min	160~190	150~210	180~240	200~250	200~260	210~290
Setting pressure	bar (psi)	230 (3,336)	230 (3,336)	230 (3,336)	240 (3,481)	250 (3,626)	250 (3,626)
Operating pressure	bar	160~180	160~180	160~180	160~180	160~180	160~180
	psi	2,321~2,611	2,321~2,611	2,321~2,611	2,321~2,611	2,321~2,611	2,321~2,611
Impact rate	bpm	360~700	300~450	300~450	300~350	250~400	200~350
Impact energy	kgf.m (Joule)	600 (5,884)	620 (6,080)	656 (6,429)	920 (9,022)	1,340 (13,132)	1,547 (15,161)
Hose diameter	inch	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
Tool diameter	mm	150	150	155	160	165	175
Tool length	mm	1,300	1,400	1,500	1,400	1,600	1,600
Carrier weight	ton	27~35	25~30	28~35	32~44	30~45	40~55

ACE TOP Type / Light duty range



ITEM / MODEL	UNIT	ACE 20T	ACE 30T	ACE 35T	ACE 40T	ACE 50T	ACE 70T
Operating Weight	kg	100	120	189	298	375	577
	lb	220	265	417	657	827	1,272
Oil Capacity	l/min	20~40	25~50	30~60	40~70	50~90	60~100
Setting pressure	bar (psi)	140 (2,031)	150 (2,176)	150 (2,176)	160 (2,321)	180 (2,611)	180 (2,611)
Operating pressure	bar	90~120	90~120	100~130	110~140	120~150	130~160
	psi	1,305 ~ 1,740	1,305 ~ 1,740	1,450 ~ 1,885	1,596 ~ 2,031	1,740 ~ 2,176	1,885 ~ 2,321
Impact rate	bpm	700~1,200	600~1,100	500~1,000	500~900	400~800	400~800
Impact energy	kgf.m (Joule)	16.2 (159)	32 (314)	48 (470)	65 (637)	75 (735)	138.2 (1,354)
Hose diameter	inch	1/2"	1/2"	1/2"	1/2"	1/2"	3/4"
Tool diameter	mm	45	53	60	68	75	85
Tool length	mm	500	550	600	700	800	900
Carrier weight	ton	1.2~3.0	2.5~4.5	3.0~5.5	4~7	6~9	7~14

ACE BREAKER

- Easy to Start Function!
- Suitable to work in the central city!
- High quality & Excellent durability!



ACE Quality Premium Type

- ◆ Special feature & Merits for ACE-QP series
 - Superior impact power performance
Enlarged piston size by increasing of impact energy in 20% than the previous models.
 - Convenient grease lubrication
Improved lubrication greases to inject it from one spot of control valve housing only.
 - Minimize the vibration
Minimize the vibration by expansion of gas chamber capacity from mechanism aspect.



Option Device

Auto lubricant system

- Auto lubricant system with its grease cartridges guarantee that breaker tool bushes receive the exact grease amount during its operation.
- This makes the demolition impact smoother and extends the bush & tool life.



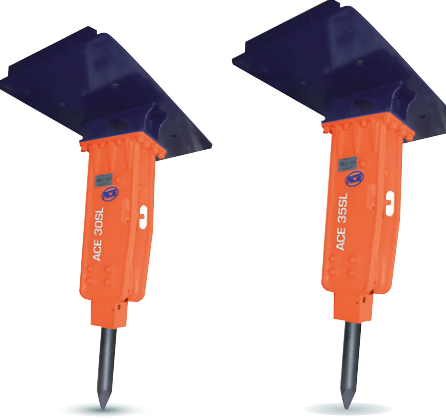
ITEM / Model	UNIT	ACE QP100	ACE QP220	ACE QP350	ACE QP450
Operating Weight	kg	890	1,750	2,530	3,360
	lb	1,962	3,858	5,578	7,408
Oil Capacity	l/min	80 ~110	145 ~ 180	175 ~220	200 ~ 250
Setting pressure	bar (psi)	190 (2,756)	210 (3,046)	230 (3,336)	240 (3,481)
Operating pressure	bar	150~170	160 ~ 180	160 ~ 180	160 ~ 180
	psi	2,176~ 2,466	2,321 ~ 2,611	2,321 ~ 2,611	2,321~ 2,611
Impact rate	bpm	350~700	360 ~ 460	320 ~ 400	300 ~ 350
Impact energy	kgf.m (Joule)	160.2 (1,570)	468 (4,586)	780 (7,644)	1,110 (10,878)
Hose diameter	inch	3/4"	1"	1 1/4"	1 1/4"
Tool diameter	mm	100	135	150	165
Tool length	mm	1,000	1,200	1,400	1,450
Carrier weight	ton	11~16	20-27	28-35	25-48

ACE Backhoe Loader Type



ITEM / MODEL	UNIT	ACE 35BL	ACE 40BL	ACE 50BL
Operating Weight	kg	189	298	375
	lb	417	657	827
Oil Capacity	l/min	30 ~ 60	40 ~ 70	50 ~ 90
Setting pressure	bar (psi)	150 (2,176)	160 (2,321)	180 (2,611)
Operating pressure	bar	100 ~ 130	110~140	120~150
	psi	1,450 ~ 1,885	1,596 ~ 2,031	(1,740 ~ 2,176)
Impact rate	bpm	500 ~ 1,000	500 ~ 900	400 ~ 800
Impact energy	kgf.m (Joule)	48 (470)	65 (637)	75 (735)
Hose diameter	inch	1/2"	1/2"	1/2"
Tool diameter	mm	60	68	75
Tool length	mm	600	700	800
Carrier weight	ton	3.0 ~ 5.5	4 ~ 7	6 ~ 9

ACE Skid Steer Loader Type



ITEM / MODEL	UNIT	ACE 30SL	ACE 35SL
Operating Weight	kg	155	225
	lb	342	496
Oil Capacity	l/min	25 ~ 50	30 ~ 60
Setting pressure	bar (psi)	150 (2,176)	150 (2,176)
Operating pressure	bar	90 ~ 120	100 ~ 130
	psi	1,305 ~ 1,740	1,450 ~ 1,885
Impact rate	bpm	600 ~ 1,100	500 ~ 1,000
Impact energy	kgf.m (Joule)	32 (314)	48 (470)
Hose diameter	inch	1/2"	1/2"
Tool diameter	mm	53	60
Tool length	mm	550	600
Carrier weight	ton	2.5 ~ 4.5	3.0 ~ 5.5

ACE Silenced Box Type



ITEM / Model	UNIT	ACE 70S	ACE 100S	ACE 250S	ACE 350S
Operating Weight	kg	600	920	1,816	2,150
	lb	1,322	2,028	4,003	4,739
Oil Capacity	l/min	60 ~100	80 ~110	120~180	160 ~190
Setting pressure	bar (psi)	180 (2,611)	190 (2,756)	210 (3,046)	230 (3,336)
Operating pressure	bar	130~160	150~170	160~180	160~180
	psi	1,885 ~ 2,321	2,176 ~ 2,466	2,321 ~ 2,611	2,321~ 2,611
Impact rate	bpm	400~800	350~700	350~500	360 ~ 700
Impact energy	kgf.m (Joule)	138.2 (1,354)	160.2 (1,570)	475 (4,655)	600 (5,884)
Hose diameter	inch	3/4"	3/4"	1"	1"
Tool diameter	mm	85	100	140	150
Tool length	mm	900	1,000	1,300	1,300
Carrier weight	ton	7 ~14	11~16	18~26	27~35

ACE ATTACHMENT

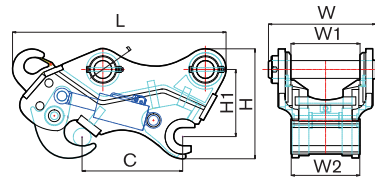
- Ready to work at any working sites!
- High quality & Excellent durability!
- Priority system to customer satisfaction!

ACE Quick Coupler



Advantages

- The strongest durability on the same class prolongs its life.
- Double safety device.
- Shorten the working hours with fast removable coupler.
- Enough room for the safety pin.



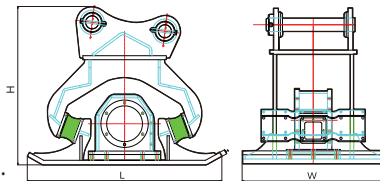
Standard	UNIT	ACE Q30	ACE Q60	ACE Q80	ACE Q100	ACE Q140	ACE Q170	ACE Q200
Operating Weight	kg	54~60	150~163	340	520	650	725	890
Length (L)	mm	575~593	814~820	970	1080	1125	1226	1285
Height (H)	mm	285	378	491	552	584	612	662
Width (W)	mm	249~259	408~423	469~503	543~593	574~624	630~670	680~710
Installation Width (W1)	mm	155~165	260~275	306~340	350~410	410~432	410~440	470~510

※ It can be changed for improving product's performance.

ACE Compactor

Advantages

- Proper high-quality oil pressure motor to all types of models.
- All-in-one block oil flow control valve.
- Highly effective in hardening the narrow ditch.



MODEL / ITEM	Suitable excavator (ton)	Impulse Force (ton)	Hydraulic Flow (rpm)	Capacity (cc/rev)	Pressure (kg/cm ²)	Measurement (LxWxT)mm	Height (H)mm	Width (W)mm
ACE C60	13~18	7	600~2,000	63	150~250	1,145x700x28	850	700
ACE C80	18~26	15	600~2,000	80	150~250	1,250x850x30	1,100	850
ACE C100	26~32	15	600~2,000	100	180~210	1,350x950x32	1,100	950

※ It can be changed for improving product's performance.

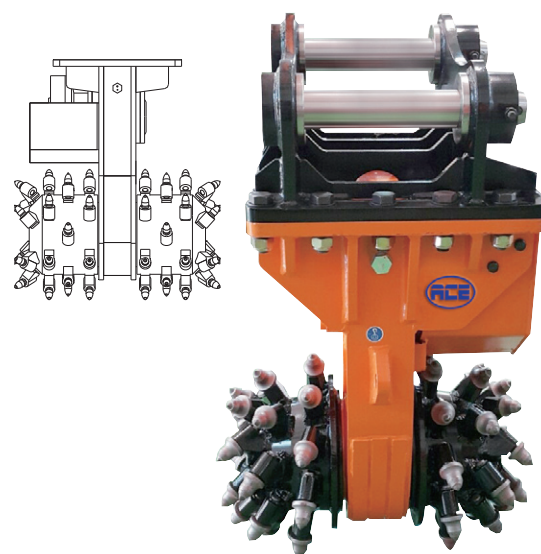
ACE Drum cutter

Advantages

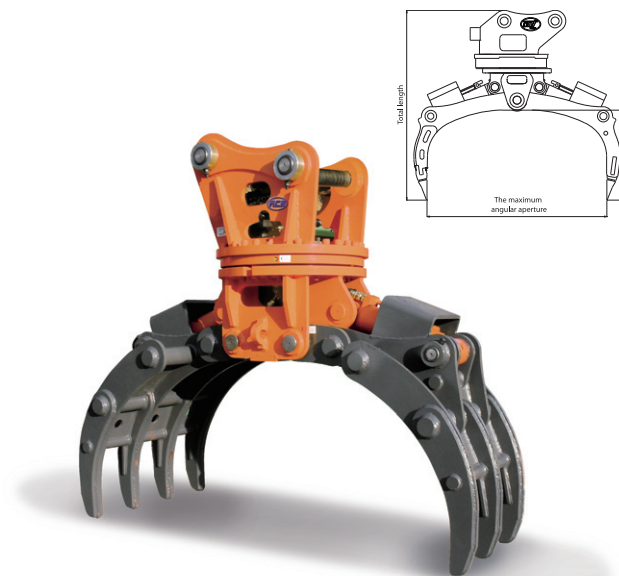
- Good for excavating, mining, tunneling, trenching and demolition
- Low noise and vibration in the construction industry
- High cutting force with efficient hydraulic system

ITEM / MODEL	UNIT	ACE DC35	ACE DC135	ACE DC235	ACE DC345
Suitable excavator	ton	3~12	10~22	18~32	24~55
Operating weight	kg	372	1,030	1,420	1,960
Input power	kW	25	30	55	80
Max. peak power	kW	34	40	70	120
Max. operating pressure	bar	350	350	350	350
Oil flow recommended	L/min	30~80	60~150	120~270	180~320
Cutting speed	rpm	120~200	90~130	65~113	50~90
Cutting head torque	Nm	3,200	5,800	12,500	24,000
Cutter diameter	mm	350	460	590	620
No. of peak		2 x 22	2 x 24	2 x 25	2 x 30

※ Above specification can change without a previous notice for improvement in quality.



ACE Wood Grabs



Advantages

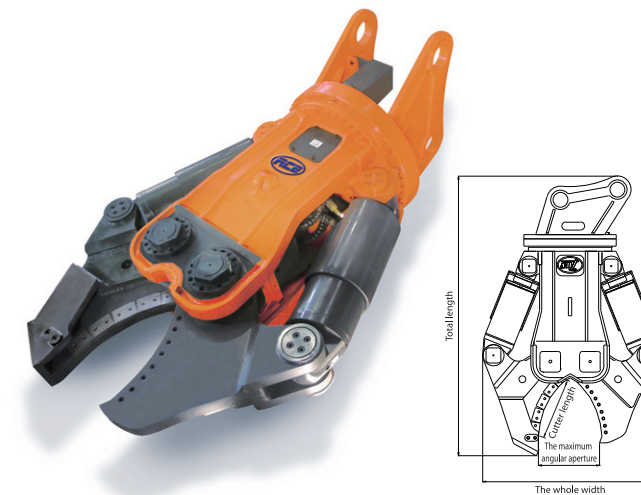
The highest technology, the best product

- It is possible to make 360 degrees revolution.
- It has light weight and outstanding durability equipped with hard-faced material.
- We guarantee customer's satisfaction by our excellent technical expertise of ACE.

ITEM / MODEL	UNIT	ACE WG55R	ACE WG06R	ACE WG08R	ACE WG10R
Suitable excavator	ton	3.5~6.5	12~16	21~26	27~32
The gross weight	kg	250	680	1,000	1,600
Total length	mm	1,000	1,300	1,700	2,300
The maximum angular aperture	mm	1,000	1,400	1,800	1,800
Leg depth	mm	450	600	700	800
Applicable pressure	ton	200	200	200	300
Applicable flux	mm	35~65	80~140	130~180	180~260

※ Above specification can change without a previous notice for improvement in quality.

ACE Shears



Advantages

Highly efficient iron scrap shears

- It has superior ability to cut iron, pipe, beam and ect By using HARDOX600 cutter edge.
- Faithful ACE Corporation guarantees radical customer services.

ITEM / Model	UNIT	ACE SD 800R	ACE SD 1000R
Applicable excavator	ton	21~26	27~36
The gross weight	kg	1,900	2,750
Total length	mm	2,090	2,320
The whole width	mm	1,300	1,500
The maximum angular aperture	mm	500	550
Cutter length	mm	350	580
Cutting ability	ton	190	360
Applicable pressure	bar	280	300
Applicable flux	lpm	200	250

※ Above specification can change without a previous notice for improvement in quality.

ACE Pulverizer

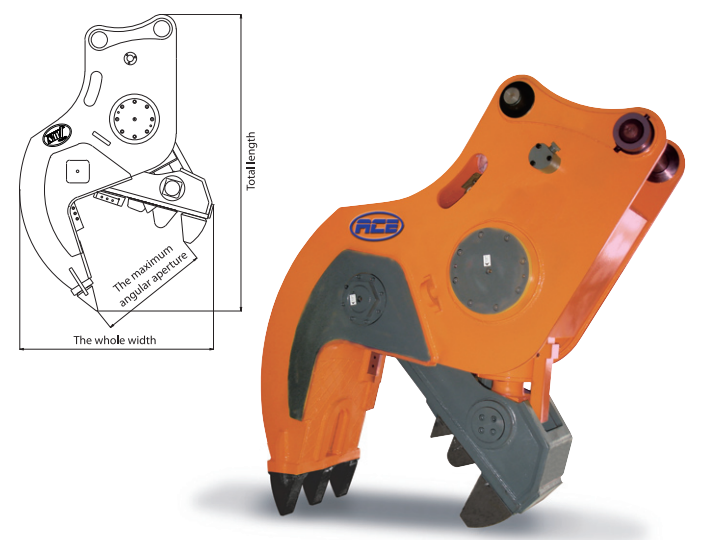
Advantages

Strong crushing strength, excellent operation ability!

- Mighty power equipped with full-sized cylinder.
- Light weight and outstanding durability equipped with HARDOX600.
- Rotary concrete crusher possible to change Jow.

ITEM / Model	UNIT	ACE P08	ACE P10
Applicable excavator	m ³	0.7~0.9	1.0~1.2
The gross weight	kg	1,800	2,400
Total length	mm	2,100	2,400
The width	mm	500	570
The maximum angular aperture	mm	800	900
Crushing ability	ton	110	127
Cutter length	mm	160	180
Applicable pressure	kg/cm ²	280	320
Applicable flux	lpm	130~220	250~300

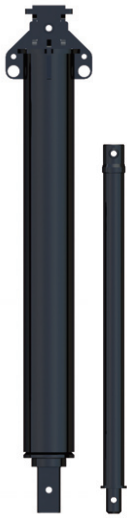
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AUGER DRILL

- Highly efficient design with less moving parts
- Extreme duty shaft locking system
- Drive fits down the hole for greater digging depth





PD3

PD25

SD45

EXTENSIONS

AUGERS
(ALL GROUND CONDITIONS)

ITEM / MODEL	UNIT	PD3	PD25	SD45
Max. torque	Nm	2,307	26,267	44,333
Max. pressure	bar	240	240	240
Max. flow	lpm	115	230	380
Max. power	Kw	25	50	150
Overall length	mm	557	1,152	1,493
Diameter	mm	187	355	600
Weight (no hitch)	Kg	45	300	838
Standard output shaft	mm	65 (RND)	100 (SQ)	100 (SQ)

HYDRAULIC BREAKER PARTS

- Cylinder Assembly
- Basic Accessories
- Qualified Parts



Outward Parts

ACE Heavy Machinery will provide dealers with stocks of spare parts to deal with any urgent parts requirement from customer.

- "Strong, Durable, Accurate" parts developed & produced by our own technology in R&D Center.
- Longer lifetime due to superior quality alloy steel.
- On Time parts delivery system satisfy dealers and customer.



Type of Tools

