

HYDROMAC[®]

HYC Series



Breaker & Attachment



HYDROMAC[®]
MAQUINAS S.A.

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INNER-MOUNTED SYSTEM

HYC SILENCED BOX TYPE

- Noise reduction technology!
- Friendly environment!
- High quality & proud of durability!

HYDROMAC



Standard Specification

Description / Model	UNIT	HYC-70	HYC-100	HYC-125	HYC-140	HYC-150	HYC-165
Operating Weight	Kg	362	986	1357	1910	2295	3149
	lbs	798	2184	2992	4211	5060	6942
Setting Pressure	bar	160	210	210	210	230	250
	psi	2321	3046	3046	3046	3336	3626
Operating Pressure	bar	110-140	150-170	150-170	160-180	180-200	200-220
	psi	1595-2031	2176-2466	2176-2466	2321-2611	2611-2901	2901-3191
Oil Flow Range	l/min	40-70	80-110	90-120	120-180	130-190	200-260
	gal/min	10.6-18.5	21.1-29.1	23.8-31.7	31.7-47.6	34.3-50.2	52.8-68.7
Impact Rate	bpm	500-900	350-700	350-650	350-500	200-300	150-300
Hose Diameter	inch	1/2	3/4	1	1	1 1/4	1 1/4
Tool Shank Diameter	mm/inch	70-2.8	100-3.9	125-4.9	140-5.5	150-5.9	165-6.5
Applicable Carrier Weight	ton	4.5-6.0	10-14	18-20	20-25	25-32	33-40
	lbs	9920-13230	22046-30864	39683-44092	44092-55115	55115-70547	72752-88185
Noise Level	L _v (dB)	85/5-10m	85/7-14m	85/10-18m	85/16-22m	85/21-30m	85/35-40m

Light duty range Medium duty range Heavy duty range

※ Above specification can be changed without any prior notice for improvement in quality

HYDROMAC®

INNER-MOUNTED SYSTEM

Backhoe Loader Type Skid Steer Loader Type



Backhoe Loader (Box Type)



Skide Steer Loader type

Standard Specification

Description / Model	UNIT
Operating Weight	BOX(Kg/lbs) Normal(Kg/lbs)
Setting Pressure	bar psi
Operating Pressure	bar psi
Oil Flow Range	l/min gal/min
Impact Rate	bpm
Hose Diameter	inch
Tool Shank Diameter	mm/inch
Applicable Carrier Weight	ton lbs
Noise Level	L _p (dB)

HSM Backhoe Loader (Box Type)

HYC-70 BL
362
798
160
2321
110-140
1595-2031
40-70
10.6-18.5
500-900
1/2
70-2.8
4.5-6.0
9920-13230
85/5-10m

HSM Skide Steer Loader type

HYC-70 SL
380
838
160
2321
110-140
1595-2031
40-70
10.6-18.5
500-900
1/2
70-2.8
4.5-6.0
9920-13230
85/5-10m

HYDROMAC®

PARTS

GENUINE PARTS



• Breaker Parts



• Rod (Tool)



MOIL POINT
Universal usage
Concrete breaking
Rock breaking
Road construction



CONE
Universal usage
Soft & nonbrasive ork



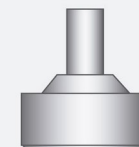
CHISEL
Mining
Trenching
Ground work
Slope breaking



ASPHALT CUTTER
Frozen ground
Asphalt cutting



BLUNT
Mining
Block holing
Secondary breaking
Slag removal



SLAB BUSTER
Slab demolishing
Lower tool wear application

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HYDROMAC[®]



Option Device

Auto lubricant system



- SM's Auto lubricant system
- SM's 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.

Structure & Features

1 Energy Regeneration Nitrogen Gas Cushion Chamber(ERNGCC)

Absorbs the piston's upward recoil and conduct energy recycling for the constant blow,

2 GUIDE BUFFER

Side vibration absorber and side suspension device to protect the powercell,

3 N2 Gas Charged Accumulator

Rechargeable N2 gas accumulator to assist power stroke and to reduce the surge pressure and the spikes from the hydraulic circuit of thw excavator

4 Piston

Most efficient design for maximum energy transfer and recoil reduction as Well as ideal match of tool and piston diameters, It transfers highest shock wave into the breaking objects,

5 Dual Rod Pins

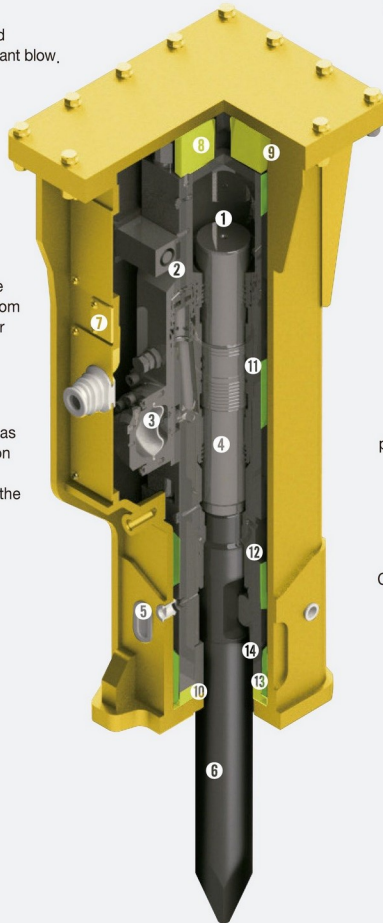
Correct tool alignment and dispersion of tool wear,

6 Working Rod

Heat treated and optimal length for efficient breaking,

7 Auto Grease Refiller

Compact auto grease refiller is equipped as an optional feature, Easy daily refill is serviced and continuous greasing is available as long as the breaker is operated, (Not shown on the illustration)



8 UPPER DAMPER

Vibration absorber to prevent the impulses between the carrier and the breaker,

9 Throught Bolt

Fully closed side(tie) rods enlarges the durability and the optimal load carrying capacity is designed,

10 DOWN DAMPER

Vibration absorber and suspension device to protect the powercell,

11 Cylinder Design

Square typed cylinder design brings optimum match between back head and front head as well as improves stable operation to increase the product durability and to reduce the unnecessary damages such as scratches,

12 All-in One Type of Upper Bushing and Thrust Ring Integration

Convenient one set and easier maintenance and serviceability without disassembly of powercell,

13 Wearing Plates

Employment of wear resistant plates between cylinder, front head and housing increases the oveall product durability,

14 Replaceable Tool Bushing

Convenience for replacement and protect the head, (Not shown on the illustration)

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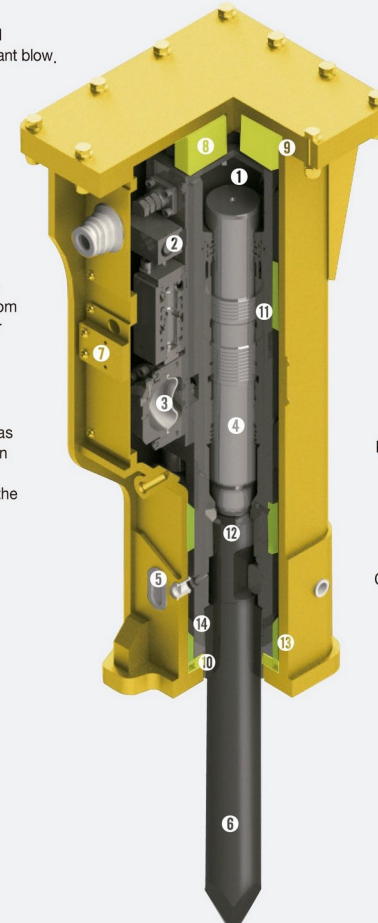
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HYC Attachments

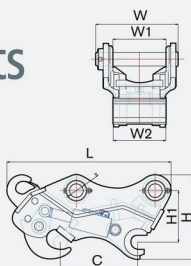
Quick Coupler

Benefits

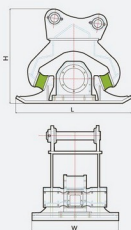
- The strongest durability on the same class prolongs its life.
- Double safety device
- Shorten the working hours with fast removable coupler
- Enough room for the safety pin

Standard Specification

Description / Model	UNIT	SMQ 30	SMQ 60	SMQ 80	SMQ 100	SMQ 140	SMQ 170	SMQ 200
Operating Weight	Kg	54 ~ 60	150 ~ 163	340	520	650	725	890
	lbs	119 ~ 132	330 ~ 359	748	1,144	1,430	1,595	1,958
Length (L)	mm	575 ~ 593	814 ~ 820	970	1,080	1,125	1,226	1,285
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	670 ~ 710
Applicable Carrier Weight	ton	2.5 ~ 4.5	7 ~ 14	16 ~ 22	18 ~ 26	28 ~ 35	35 ~ 45	45 ~ 55
	lbs	5,511 ~ 9,920	15,432 ~ 30,864	35,270 ~ 48,500	39,683 ~ 57,320	61,729 ~ 77,161	77,161 ~ 99,208	99,208 ~ 121,254



Compactor



Benefits

- 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

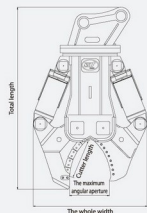
Standard Specification

Description / Model	UNIT	SMC 60	SMC 80	SMC 100
Impulse Force	ton	7	15	17
Hydraulic Flow	rpm	600 ~ 2000	600 ~ 2000	600 ~ 2000
Capacity	cc / rev	63	80	100
Pressure	kg/cm ²	150 ~ 250	150 ~ 250	180 ~ 210
Measurement	L x W (mm)	1,145 x 700	1,250 x 850	1,350 x 950
Height	H (mm)	850	1,100	1,100
Width	W (mm)	700	850	950
Applicable Carrier Weight	ton	16 ~ 22	18 ~ 26	28 ~ 35
	lbs	35,270 ~ 48,500	39,683 ~ 57,320	61,729 ~ 77,161

Shears

Standard Specification

Description / Model	UNIT	SMS 800R	SMS 1000R
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
Cutter ability	ton	190	360
Applicable pressure	bar	280	300
Applicable flux	lpm	200	250
Applicable Carrier Weight	ton	18 ~ 26	28 ~ 35
	lbs	39,683 ~ 57,320	61,729 ~ 77,161

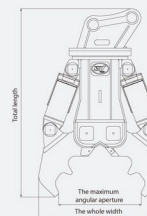


Benefits

Highly efficient iron scrap shears

- It has superior ability to cut iron, pipe, beam and ect By using HARDOX600 cutter edge.

Crushers



Benefits

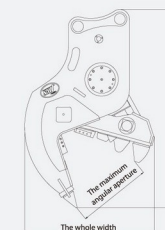
Strong crushing strength, excellent operation ability!

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

Pulverizer

Standard Specification

Description / Model	UNIT	SMP 800	SMP 1000
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
Crushing ability	ton	190	360
Applicable pressure	bar	280	300
Applicable flux	lpm	200	250
Applicable Carrier Weight	ton	18 ~ 26	28 ~ 35
	lbs	39,683 ~ 57,320	61,729 ~ 77,161

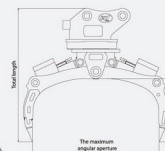


Benefits

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.

Wood Grabs



Benefits

The highest technology, the best product - SM

- 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 SM

Standard Specification

Description / Model	UNIT	SMW550R	SMW600R	SMW800R	SMW1000
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	bar	200	200	200	300
Applicable flux	lpm	35 ~ 65	80 ~ 140	130 ~ 180	180 ~ 260
Applicable Carrier Weight	ton	4 ~ 7	11 ~ 16	18 ~ 26	28 ~ 35
	lbs	8,818 ~ 15,432	24,250 ~ 35,274	39,683 ~ 57,320	61,729 ~ 77,161

