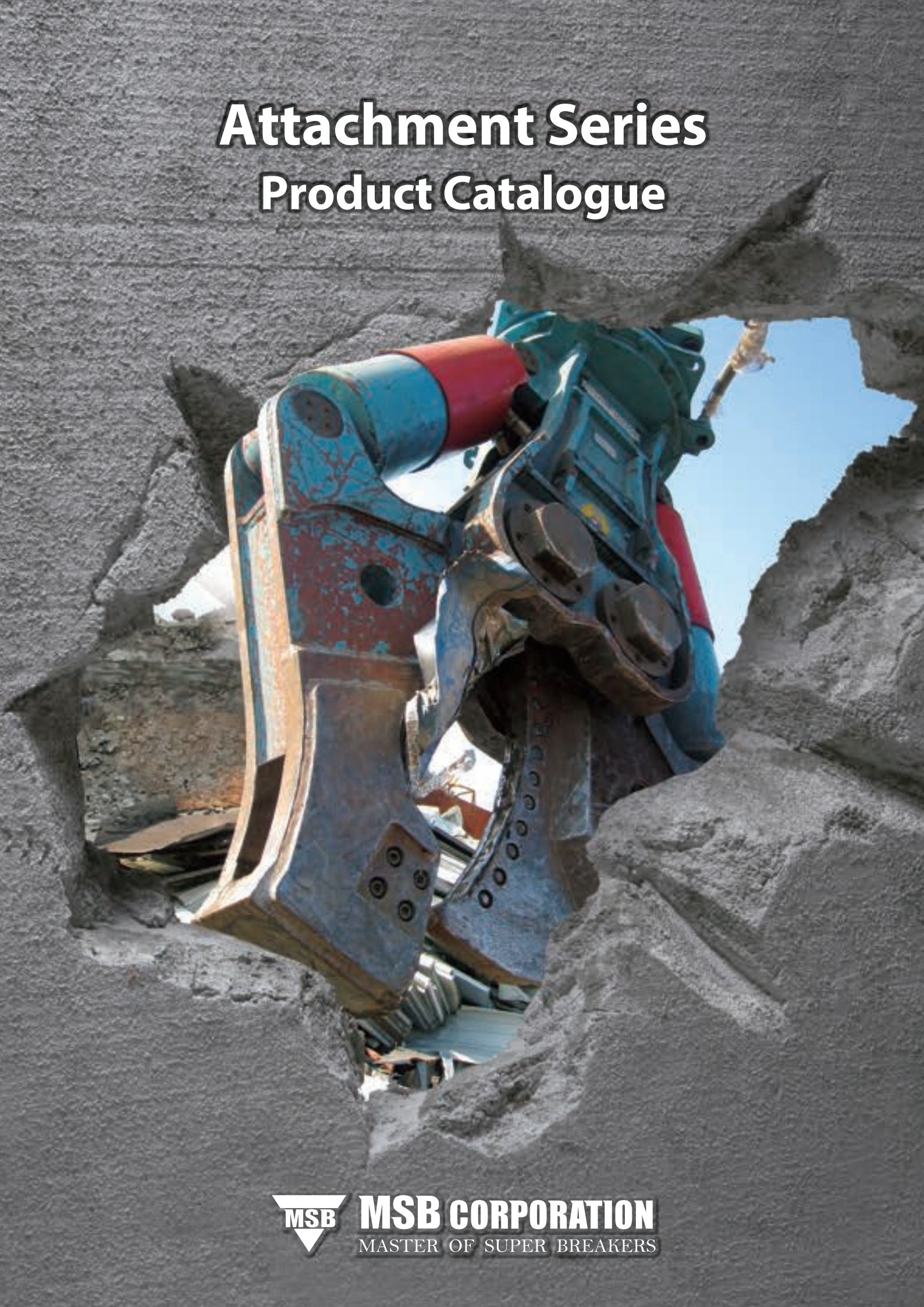


Attachment Series Product Catalogue



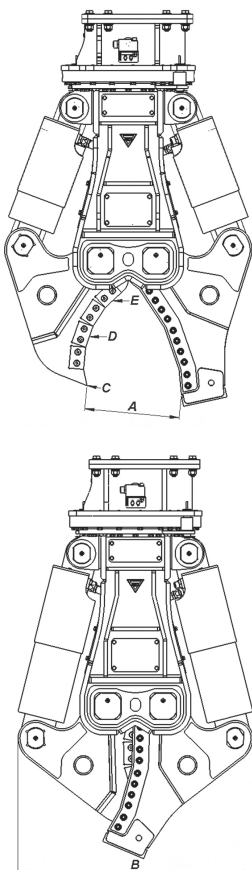
MSB CORPORATION
MASTER OF SUPER BREAKERS

Rotating Crusher (MSRC)

- Primary & secondary demolition for the reinforced concrete, steel material, industrial structures etc.,
- Exclusive cutting of steel material, steel plate and H-Beam with the replaceable shear jaw.



■ Technical Specification



Description		Unit	MSRC				
			300H	700H	1500H	2000H	3000H
Weight		kg	150	640	1235	2100	3300
		lb	330	1410	2722	4630	7275
Dimension	A	mm	300	354	515	514	623
		inch	11.81	13.94	20.28	20.24	24.53
	B	mm	564	876	1117	1269	1559
		inch	22.20	34.49	43.98	49.96	61.38
Closing Force	C	ton	9	20	41	70	100
		lb	19800	44100	90400	154300	220500
	D	ton	13	30	64	113	145
		lb	28700	66100	141100	249100	319700
	E	ton	31	64	157	236	393
		lb	68300	141100	346100	520300	866400
Cylinder	Pressure	bar	250	300	320	320	320
		psi	3625	4351	4641	4641	4641
	Oil Flow	l/min	20-90	45-100	70-130	150-250	150-250
		g/min	5-23	11-26	18-34	39-66	39-66
Rotator	Pressure	bar	-	140	200	140	140
		psi	-	2030	2900	2030	2030
	Oil Flow	l/min	-	45	75	75	75
		g/min	-	11	19	19	19
Carrier Weight		ton	2-4	5-11	12-17	18-27	28-38
		lb	4400-8800	11000-24300	26500-37500	39700-59500	61700-83800

MSRC Competitive Features

① Safe Lock Pin

For handy and safe carry for the hydraulic unit.

② Grease Nipple

It improves the durability of the pins.

③ Main Body Covers

Easy access for the maintenance and the hose replacement.

④ Hydraulic Rotation

360 degrees of hydraulic rotation allows right positioning of the attachment in any job tasks given to improve workability and maneuverability. (Applied in MSRC700~MSRC3000)

⑤ Slewing Gear

High class feature for the function to connect top bracket and main body. Together with the inner bearing system, high intensity and precision process bolsters high reliability of its functionality.

⑥ Cylinder Covers

Special protection for the cylinder rods.

⑦ Massive Power of Dual Cylinders

With application of high profiled seal system, it adds superb demolition capability and speedy operation.

⑧ Dual Core Pin Covers

Easy access and protection of core dual pins.

⑨ Interchangeable Jaws

Wear-resistant plate applied into the interchangeable jaws are the smart alternatives based on the job application to mount different types of the jaws (multifunction jaw, pulverizer jaw, shear jaw) as a versatile attachment solution.

⑩ Four Edge Useable Cutter

"Four edge useable cutter" is highly useful to increase the lifetime of the cutter. Smart thinking to reduce the running cost!

⑪ Flow Control Valve (FCV)

It maximizes the speed of the hydraulic rotation. (Available from MSRC700 to MSRC3000/Not shown on the picture)

⑫ Jaw Speed-Up Valve (JSUV)

It maximizes the speed of the jaw operation. (Available from MSRC2000,3000/Not shown on the picture)



■ MSRC Jaw Configurations



Multifunction Jaw



Pulverizer Jaw



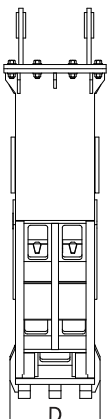
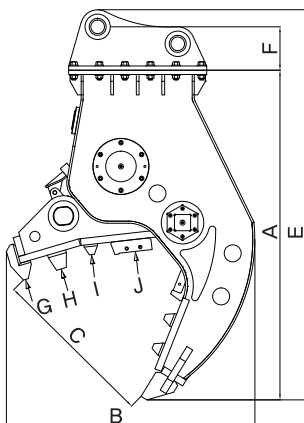
Shear Jaw

Hydraulic Pulverizer (MSHP)

- Excellent demolition for making disposal and easier recycling.
- Work fragmentation of reinforced iron and concrete.



■ Technical Specification



Description		Unit	MSHP			
			2000CT	2000CTR	3000CT	3000CTR
Weight		kg	1905	2400	2790	3100
		lb	4200	5291	6151	6834
Dimension	A	mm	1940	2423	2045	2533
		inch	76.4	95.4	80.5	99.7
	B	mm	1455	1462	1610	1616
		inch	57.3	57.6	63.4	63.6
	C	mm	958	970	1049	1091
		inch	37.7	38.2	41.3	43.0
	D	mm	607	607	687	687
		inch	23.9	23.9	27.0	27.0
Max.Press of the cylinder		bar	320	320	320	320
		psi	4641	4641	4641	4641
Flow Range of the cylinder		l/min	150~250	150~250	200~300	200~300
		g/min	40~66	40~66	53~79	53~79
Crushing Force	G	ton	50	50	70	70
		lb	110200	110200	154300	154300
	H	ton	63	63	93	93
		lb	138900	138900	205000	205000
	I	ton	110	110	160	160
		lb	242500	242500	352700	352700
Cutting Force	J	ton	185	185	260	260
		lb	407900	407900	573200	573200
Rotator	Pressure	bar	-	140	-	140
		psi	-	2030	-	2030
	Oil flow	l/min	-	75	-	75
		g/min	-	19	-	19
Carrier Weight		ton	18~27	18~27	28~38	28~38
		lb	39600-59501	39600-59502	61700-83701	61700-83702

※ CT: Fixed type, CTR: Rotating type

MSHP Competitive Features

① Hose Connection

Easy connection of hose linkage.

② Cylinder Cover

Special protection for the cylinder rod.

③ Grease Nipple

It improves the durability of the pins.

④ Cylinder

With application of high profiled seal system, it adds superb demolition capability and speedy operation.
(Not shown on the picture)

⑤ Hinge Typed Core Pin Cover

Easier access and safer holding of core pin on the cylinder.

⑥ Four Edge Useable Cutter

"Four edge useable cutter" is highly useful to increase the lifetime of the cutter. Smart thinking to reduce the running cost!

⑦ Replaceable Teeth

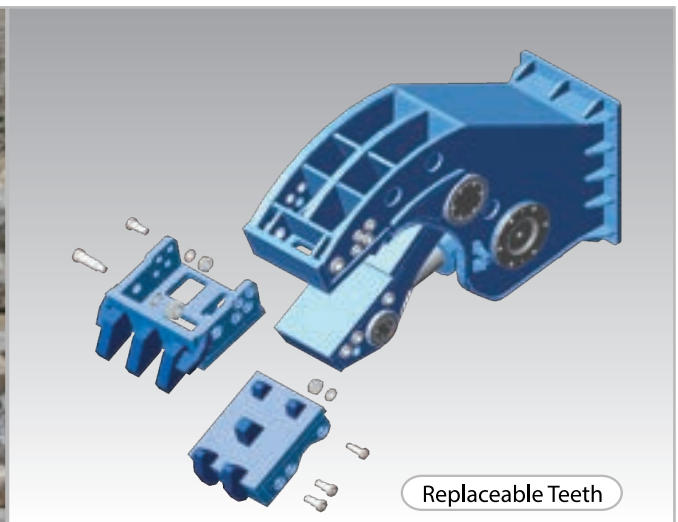
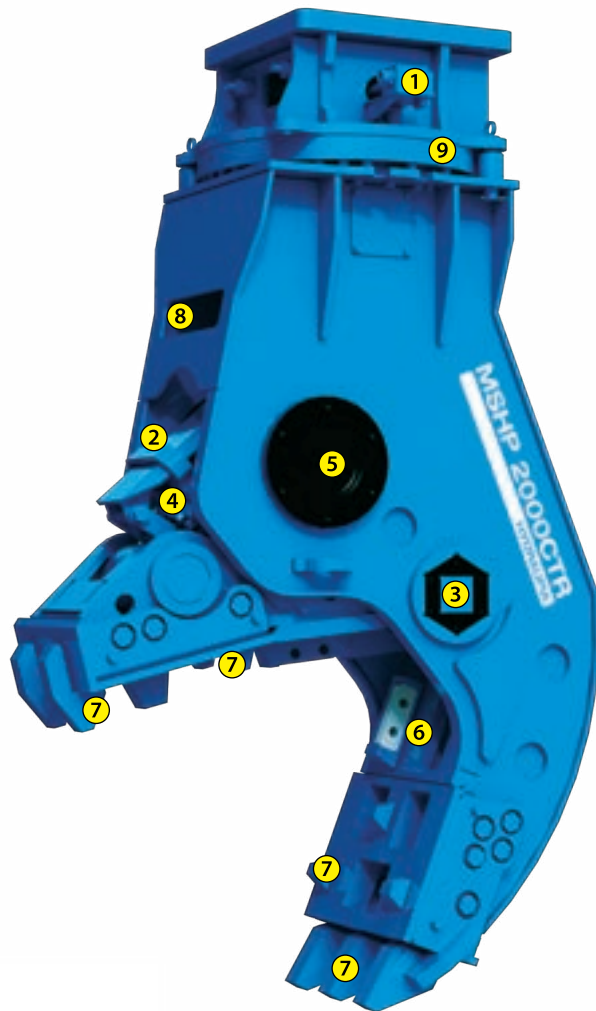
Wear-resistant plate applied into the teeth changeable are the smart alternative based on the job difficulty with the biomimetic design concept of the mouth of the pulverizer.

⑧ Mouth Speed-Up Valve (MSUV) (Option Package)

It maximizes the speed of the open & close operation. (Not shown on the picture)

⑨ Hydraulic Rotating & Slewing Gear

With 360 degree of endless hydraulic rotation



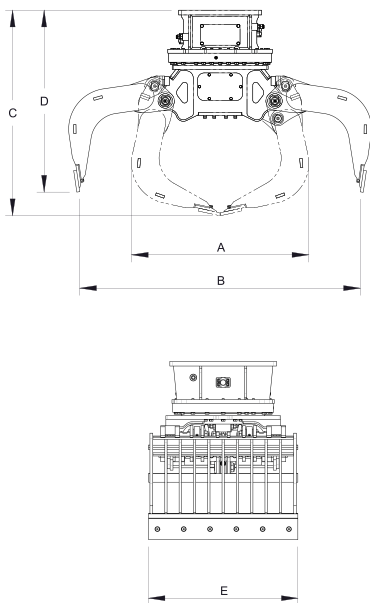
※ Note : some features may be adjusted due to the drawing updates by the manufacturer.

Stone Grapple (SG)

- Optimized structure to demolish and transport wood, bricks, stone and other industrial & residential materials.
- Projected selection of demolition debris and waste.



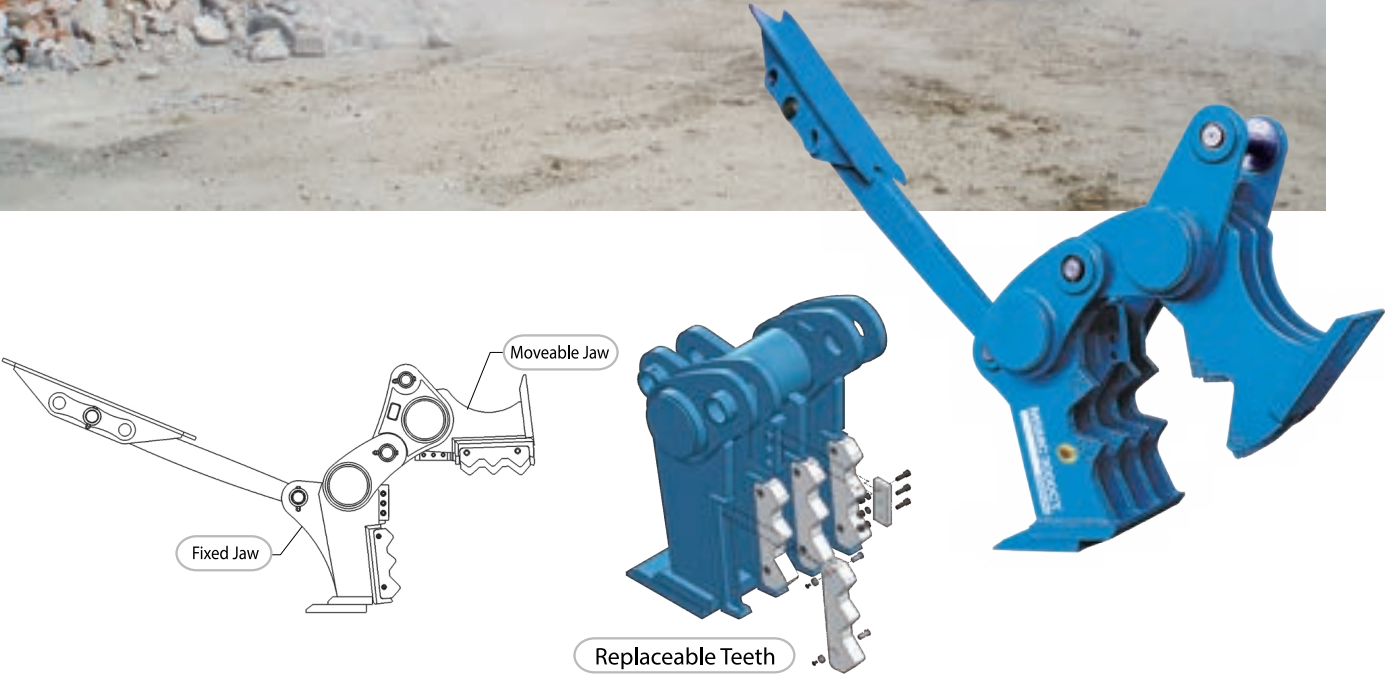
■ Technical Specification



Description		Unit	SG									
			SG10		SG15		SG22		SG30		SG40	
Tine Option			Ribbed	Perforated	Ribbed	Perforated	Ribbed	Perforated	Ribbed	Perforated	Ribbed	Perforated
Weight		kg	405	395	1060	1111	1500	1461	2045	1976		3429
		lb	892	870	2337	2449	3306	3221	4508	4656		7560
Capacity		m³	0.2		0.4		0.7		1.0		1.1	
Dimension	A	mm	959		1074		1202		1526		1552	
		inch	37.8		42.3		47.3		60.1		61.1	
	B	mm	1607		1715		2005		2172		2401	
		inch	63.3		67.5		78.9		85.5		94.5	
	C	mm	1018		1281		1440		1676		1672	
		inch	40.1		50.4		56.7		66.0		65.8	
	D	mm	881		1107		1272		1476		1463	
		inch	34.7		43.6		50.1		58.1		57.6	
	E	mm	477		850		1050		1115		1115	
		inch	18.8		33.5		41.3		43.9		43.9	
Cylinder	Max. P	bar	320		350		350		350		350	
		psi	4641		4641		5076		5076		5076	
	Q	l/min	20~60		40~80		60~100		100~180		100~180	
		gal/min	5.3~15.9		10.6~21.1		15.8~26.4		26.4~47.6		26.4~47.6	
Rotator	Max. P	bar	250		140		140		140		140	
		psi	3626		2031		2031		2031		2031	
	Q	l/min	30		75		75		75		75	
		gal/min	7.9		19.8		19.8		19.8		19.8	
Carrier Weight		ton	8 ~ 12		12 ~ 17		17 ~ 27		27 ~ 38		27 ~ 38	
		lb	17637 ~ 26455		26455 ~ 37478		37478 ~ 59525		59525 ~ 83776		59525 ~ 83776	

MECHALNICAL CRUSHER (MSMC)

- Multi-functional crushing operations.
- Superb operations for crushing, flipping, picking and prying task.
- No extra hydraulics needed.



■ Technical Specification

Description	Unit	MSMC		
		2000CT	3000CT	4000CT
Weight	kg	1588	1969	2883
	lb	3434	4340	6355
Cutter Length	mm	164	180	200
	inch	6.45	7.08	7.87
Carrier Weight	ton	18-27	28-37	38-47
	lb	39600-59500	61700-81500	83700-103600

ORANGE GRAPPLE (MSOG)



- Orange peel shaped scrap grapple with unlimited clockwise and anti-clockwise rotation.
- Open, semi-closed and fully closed tines are available.
- 4 and 5 tines configurations are available.
- High production rate to scrap metals and to lift stones within the robust tines.



Open Tine

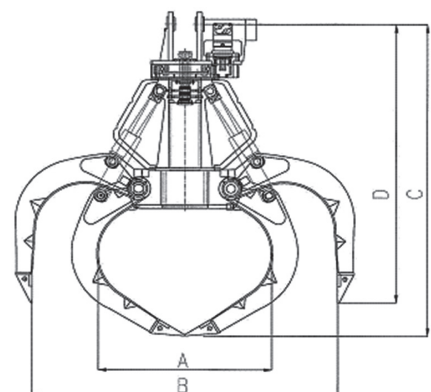
Semi-Closed Tine

Fully Closed Tine



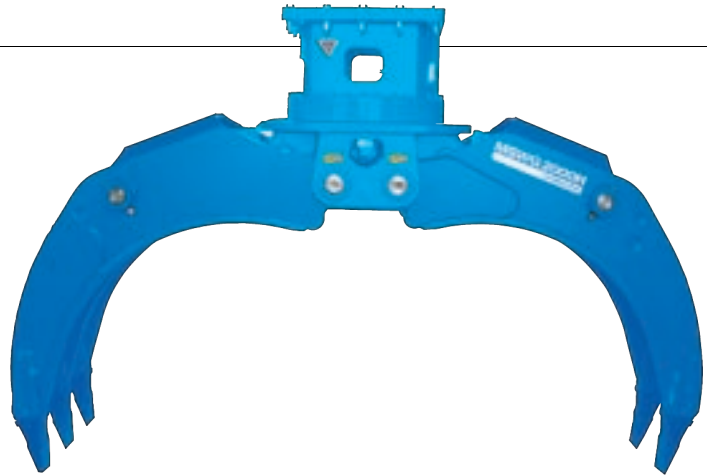
Technical Specification

Description		Unit	MSOG				
			1500H	2000H	3000H	4000H	4500H
Capacity	m ³		0.6	0.8	1	1.5	2
	ft ³		21.19	28.25	35.31	52.97	70.63
Weight	kg		1050	1300	1500	1800	2100
	lb		2315	2866	3307	3968	4630
Dimension	A	mm	849	969	1192	1315	1705
		inch	33.43	38.15	46.93	51.77	67.13
	B	mm	1859	1939	2013	2403	2699
		inch	73.19	76.34	79.25	94.61	106.26
	C	mm	1850	1970	2203	2381	2939
		inch	72.83	77.56	86.73	93.74	115.71
	D	mm	1550	1674	1969	2107	2673
		inch	61.02	65.91	77.52	82.95	105.24
Cylinder	Pressure	bar	280				
		psi	4061				
	Oil flow	l/min	80~120				
Rotator	Pressure	bar	140				
		psi	2031				
	Oil flow	l/min	80				
Tine Q'ty		EA	5 (Standard) / 4 (Option)				
Carrier Weight	ton		12-17	18-27	28-35	36-42	43-47
	lb		26500-37500	39700-59500	61700-77200	79400-92600	94800-103600



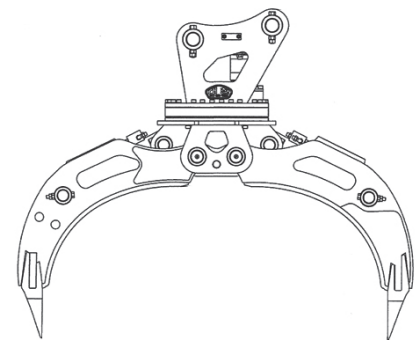
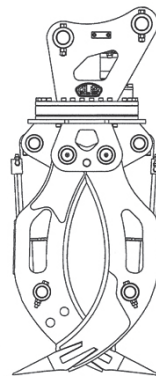
WOOD GRAB (MSWG)

- Unlimited clockwise and anti-clockwise rotation.
- Sleek design and highly capable opening to grab wooden materials.
- Wood and stick shaped material lifting and picking operations.
- Transporting logs and round wood to the tree trunks in timber area.



Technical Specification

Description	UNIT	MSWG	
		2000H	3000H
Weight	kg	1340	1650
	lb	2954	3638
Jaw Opening	mm	2300	2500
	inch	90.55	98.43
Pressure	bar	200	210
	psi	2901	3046
Oil Flow	l/min	100-180	190-250
	g/min	26-48	50-66
Carrier Weight	ton	17-23	24-30
	lb	37500-50700	52900-66100



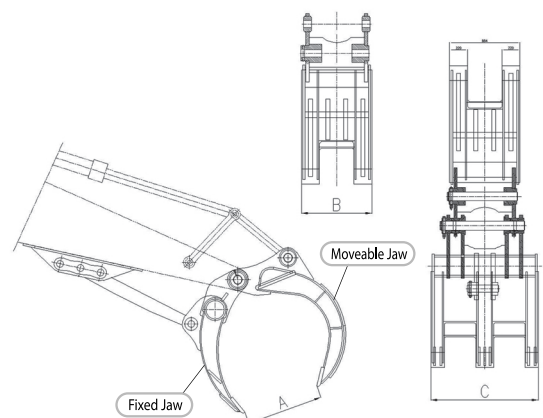
DEMOLITION GRAPPLE (MSDG)

- 3X2 engaged robust structure.
- No extra hydraulics needed.
- Wear-resistant plate applied into the upper jaw which boosts high level of wear resistance.
- Anti-destructible brace supports strong connection between the bracket and the lower jaw.
- Highly useful to wood, logs, H-Beam and other industrial & residential materials.
- Projected selection of demolition debris and waste.



Technical Specification

Description	Unit	MSDG						
		1000H	1500H	2000H	3000H	4000H	6000H	7000H
Weight	kg	931	1640	1948	2066	2495	4070	4492
	lb	2053	3616	4295	4555	5501	8973	9903
Dimension	A	mm	2200	2400	2720	2986	3262	3826
		inch	86.61	94.49	107.09	117.56	128.43	151.06
	B	mm	586	762	762	813	864	868
		inch	23.07	30.00	30.00	32.00	34.02	34.17
	C	mm	876	1118	1118	1220	1270	1300
		inch	34.49	44.02	44.02	48.03	50.00	51.18
Carrier Weight	ton	9-12	13-17	18-27	28-37	38-47	58-67	68-77
	lb	19800	28700	39700	61700	83800	127900	149900
		-26500	-37500	-59500	-81600	-103600	-147700	-169800



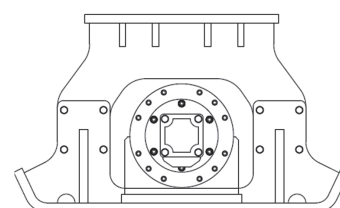
VIBRATION COMPACTOR (MSHV)

- Excellent solution to compact soil, asphalt and concrete.
- Light plate for soil and heavy plate for asphalt and concrete.
- Right application to create dense substrate before building a structure to avoid future cracks and collapse from the loose substrate.



Technical Specification

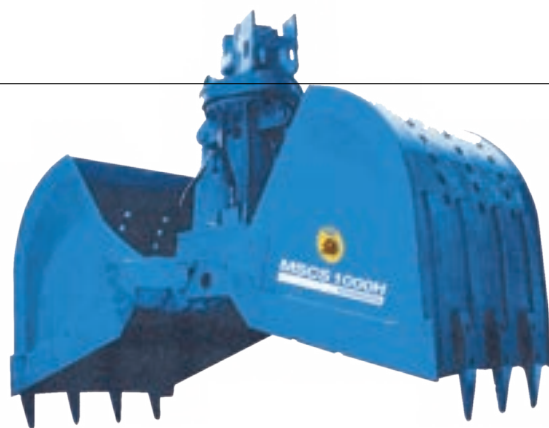
Description		Unit	MSHV				
			MSHV300H	MSHV700H	MSHV1500H	MSHV2000H	MSHV3000H
Weight		kg	250	387	759	969	1328
		lb	551	853	1673	2136	2169
Vibrating Motor	Pressure (min)	bar	140	140	140	140	140
		psi	2031	2031	2031	2031	2031
	Oil Flow (min)	l/min	78	78	120	120	120
		g/min	21	21	32	32	32
Vibrating Frequency		rpm(max)	2000	2000	2000	2000	2000
Vibrating Force		kg	1500	2900	5000	7000	9000
		lb	3307	6393	11023	15432	19842
Dimension	A	mm	650	850	960	1050	1253
	B	mm	420	610	700	800	900
	C	mm	523	539	646	687	730
Carrier Weight		ton	1~3	4~9	10~17	18~25	26~35
		lb	2205~6614	8818~19842	22046~37478	39683~55115	57320~77161



Vertical Typed Rubber-Dampener

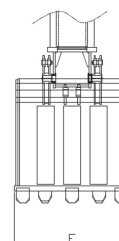
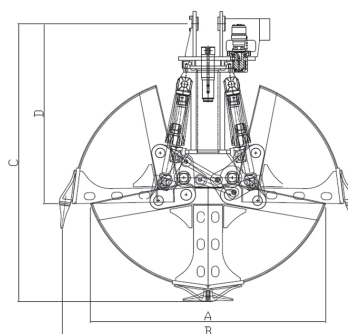
CLAM SHELL (MSCS)

- Unlimited clockwise and anti-clockwise rotation.
- Dual bucket shaped application for re-handling with the massive power from the two cylinder configurations.
- Superb performance for land clearing, sand and soil transporting and placing, pole setting, dredging.



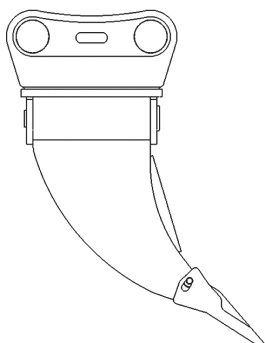
Technical Specification

Description		Unit	MSCS					
			700H	1000H	1500H	2000H	3000H	4000H
Capacity		m³	0.4	0.5	0.6	0.8	1	1.5
		ft³	14.13	17.66	21.19	28.25	35.31	52.97
Weight		kg	560	590	720	980	1200	1500
		lb	1235	1300	1587	2161	2646	3307
Dimension	A	mm	1230	1230	1752	1752	1856	2151
		inch	48.43	48.43	68.98	68.98	73.07	84.69
	B	mm	1680	1680	2223	2223	2328	2641
		inch	66.14	66.14	87.52	87.52	91.65	103.98
	C	mm	1302	1302	2200	2200	2253	2404
		inch	51.26	51.26	86.61	86.61	88.70	94.65
	D	mm	1146	1146	1408	1408	1408	1408
		inch	45.12	45.12	55.43	55.43	55.43	55.43
	E	mm	500	600	700	800	900	1200
		inch	19.69	23.62	27.56	31.50	35.43	47.24
Cylinder	Pressure	bar	280					
		psi	4061					
	Oil flow	l/min	80-120					
		g/min	21-32					
Rotator	Pressure	bar	140					
		psi	2031					
	Oil flow	l/min	80					
		g/min	21					
Carrier Weight		ton	4-7	8-11	12-17	18-27	28-35	36-42
		lb	8800-15400	17600-24300	26500-37500	39700-59500	61700-77200	79400-92600



RIPPER (MSMR)

- Simpler and maintenance-free structure.
- Wear-resistant plate made replaceable tooth application for wear resistance and easier maintenance.
- Easy operation for trenching and breaking frozen ground.
- Most green excavating solution by low noise.



■ Technical Specification

Description	Unit	MSMR					
		1500H	2000H	3000H	4000H	5000H	6000H
Weight	kg	254	494	770	1067	1509	1624
	lb	560	1089	1698	2352	3327	3580
Carrier Weight	ton	10-17	18-27	28-37	38-47	48-57	58-65
	lb	22000-37500	39700-59500	61700-81600	83800-103600	105800-125700	127900-143300

QUICK COUPLER (MSQC)

- Best solution for the rapid exchange of work tools or bucket.
- Smart application as a part of overall system between the excavator and the work tools for handling and digging operations.
- Push and pull typed linkage solutions are available to customize the product demand.



Pull Type



Push Type

■ Technical Specification

Description	Unit	MSQC						
		500H	1000H	1500H	2000H	3000H	4000H	5000H
Weight	kg	100	143	244	388	530	640	730
	lb	220	315	538	855	1168	1411	1609
Pressure	bar	40-320						
	psi	580-4641						
Oil Flow	l/min	10-20						
	g/min	3-5						
Carrier Weight	ton	3-6	7-12	13-17	18-27	28-37	38-47	48-57
	lb	6600-13200	15400-26500	28600-37500	39700-59500	61700-81600	83800-103600	105800-125700



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