

Master of Demolition



PRODUCT LINE-UP

January 2019



INTRODUCTION TO OKADA

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OKADA AMERICA INC. supplies a variety of attachments mounted on excavators and has been an innovator in the field for many years all over the world, providing a broad range of sophisticated demolition equipment, including hydraulic breakers, crushers, pulverizers, grapples and other attachments.

OKADA is continually looking for ways to expand the capabilities and versatility of demolition attachments and as a result of that effort has become a major leader in the hydraulic attachment industry.



Company name	OKADA AMERICA INC.
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Established	1996
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**OKADA
HYDRAULIC
BREAKER**



TOP SERIES BREAKERS

Skid steer



Mini excavator



Backhoe loader



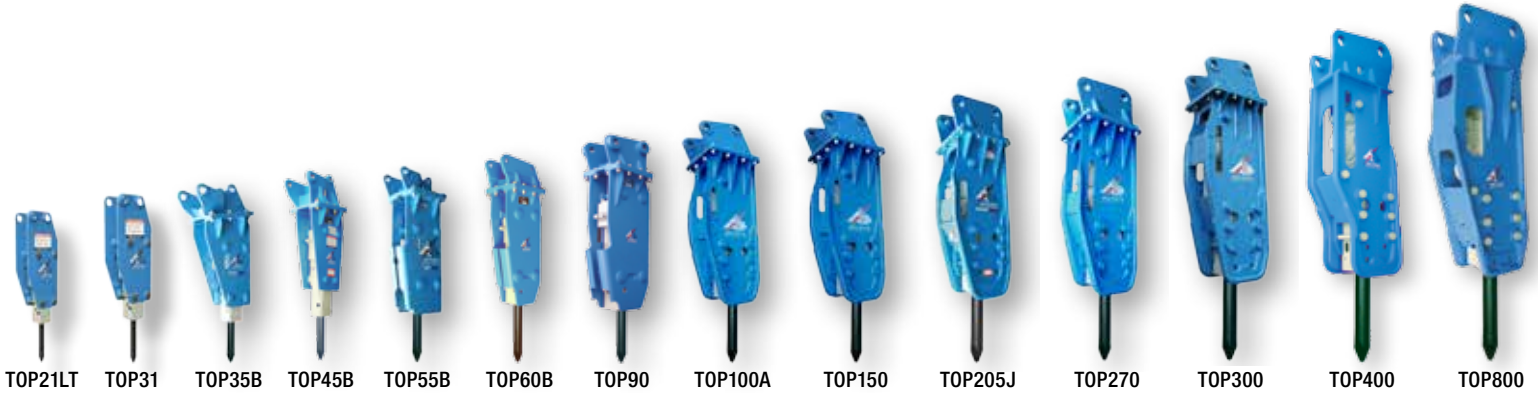
Excavator



- Exhaustive quality control on each breaker
- Every unit undergoes performance testing
- Best combination with your machine

Advanced OKADA technology eliminates the need for an accumulator without affecting the hydraulic apparatus on the carrier machine, reducing both maintenance costs and downtime.

Precision machining processes and strict Okada quality control are used to produce all main breaker components. There is no need for complete assembly replacements and the use of high precision parts equate to economical, labor-saving rebuilds of your Okada breaker.



SPECIFICATIONS

		TOP21LT	TOP21H	TOP31	TOP35B	TOP45B	TOP55B	TOP60B	TOP90	TOP100A	TOP150	TOP205J	TOP270	TOP300	TOP400	TOP800
Impact energy class	ft-lbs	150	225	375	550	850	1000	1250	2000	2500	3000	4000	5500	7500	12000	15000
	Joules	203	305	509	746	1153	1356	1695	2712	3390	4068	5424	7458	10170	16272	20340
Operating weight	lbs	195	265	386	565	780	1060	1190	1450	2440	3000	4120	5680	6650	9350	12350
	kg	88	120	175	256	354	481	540	658	1107	1361	1868	2576	3016	4240	5601
Oil flow	gpm	4-9	5-9	7-13	13-17	17-22	16-23	17-23	22-31	29-35	30-35	43-53	47-63	63-72	74-93	79-101
	lpm	15-34	19-34	26-49	49-64	64-83	60-87	64-87	83-117	110-132	114-132	163-200	178-238	238-273	280-352	299-382
Frequency (L-mode) (S-mode)	bpm	550-1000	550-1000	450-1000	380-1000	800-1100	400-1100	730-970	550-850	550-710	600-750	370-430	360-440	280-420	320-400	260-340
	bpm	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	500-560	600-700	N/A	N/A	N/A
Operating pressure	psi	1300-1740	1300-1740	1450-2030	1600-2400	1450-2320	2030-2465	1740-2320	2030-2620	2030-2620	2030-2620	2030-2620	1850-2420	2030-2620	2030-2620	1990-2620
	bar	90-120	90-120	100-140	110-165	100-160	140-170	120-160	140-180	140-180	140-180	140-180	128-167	140-180	140-180	137-180
Mechanical energy	HP	3.6-11	4.5-11	7-18	14-28	17-35	22-39	20-37	30-56	40-63	42-63	60-95	60-105	88-130	103-167	108-182
	kW	2.7-8	3.3-8	5.2-13.5	11-21	13-26	17-29	15-27	23-42	30-47	31-47	45-71	45-78	66-97	77-125	80-135
Mechanical energy avg.	HP	7.3	7.8	12.5	21	26	30.5	28.5	43	51.5	52.5	78	82.5	109	135	145
	kW	5.4	6	9	16	19	23	21	32	38	39	58	62	81	101	108
Unit working length	inches	48	48	71	61	63	72	81	84	81	94	103	114	126	145	160
	cm	122	122	180	155	160	183	206	213	206	239	262	290	320	368	406
Tool diameter	inches	1.77	1.77	2.24	2.4	2.7	2.9	3.3	3.9	4.3	4.8	5.3	5.5	6.1	6.7	7.4
	mm	45	45	57	61	69	74	84	99	109	122	135	140	155	170	188
Tool working length	inches	11.9	11.9	14.5	14.6	16.1	19.4	21.2	21.9	23.4	24	27.5	27.7	32.6	36.8	40.5
	mm	302	302	368	371	409	493	538	556	594	610	699	704	828	935	1029
85db(A) level distance	feet	-	8-15	25-36	-	38-63	-	55-92	-	-	-	82-115	100-140	113-158	128-173	137-185
	m	-	2.4-4.5	7.6-11	-	12-19	-	17-28	-	-	-	25-35	31-43	34	39-53	42-56
Carrier weight range	1000 lbs	1.6-5	2.2-5	3.3-8.8	4.4-8.8	10-18	10-18	12-20	15-26	22-42	28-42	40-60	44-66	62-114	99-176	110-220
	metric tons	0.7-2.3	1-2.3	1.5-4	2-4	4.5-8	4.5-8	5-9	7-12	10-18	13-19	18-27	20-30	28-52	45-80	50-100

1) TOP series breakers have an open bracket design.
 2) Box-style housing are available for the units shown to match the approximated noise level distance.
 3) The TOP205J and TOP270 have a two-speed feature. L-mode frequency is the normal mode.
 4) Specifications are subject to change without prior notice.

OKADA TECHNOLOGY

Accumulator

Used to reduce pressure spikes in supply and return lines to protect the carrier hydraulic system. The high pressure accumulator is field repairable without removing the breaker from its mountings.

Seals

Cup seals are utilized to secure the flow in the oil and gas chambers.

Nitrogen gas

Cushions the piston on the upstroke, eliminating the need for shock absorbers, and increases the piston down stroke force.

Auto-lube

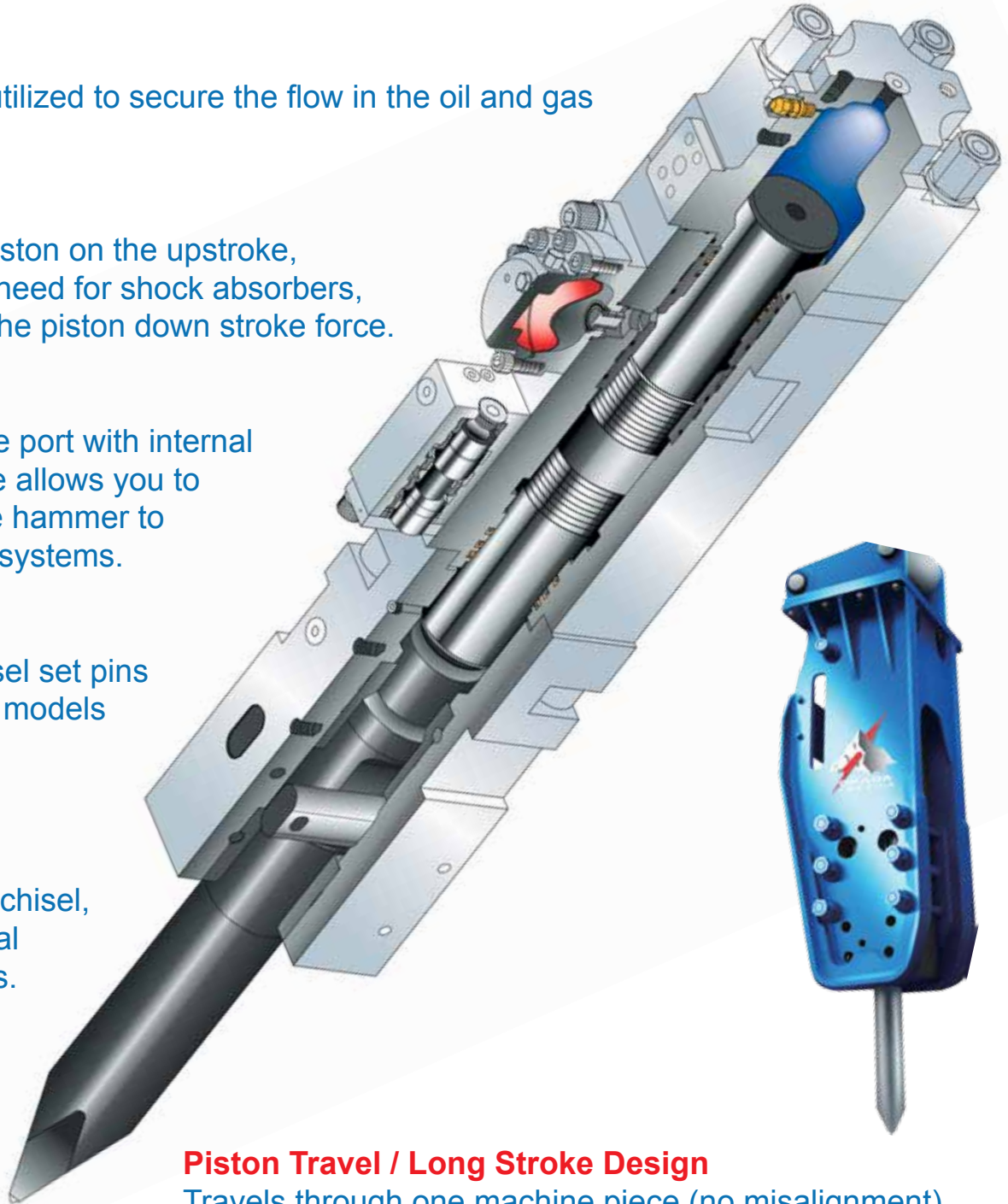
A central grease port with internal grease passage allows you to easily adapt the hammer to most auto lube systems.

Chisel set pin

Heavy duty chisel set pins in many Okada models offer extended service life.

Working tools

Choice ofmoil, chisel, blunt and special application tools.



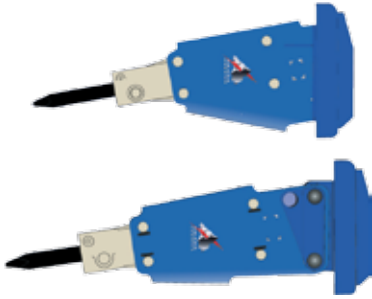
Piston Travel / Long Stroke Design

Travels through one machine piece (no misalignment). The long stroke design reduces shock loads and vibration, which can cause operator fatigue and machine stress. Okada breakers have the highest tolerance to high operational back pressures available without negative operational effects.

BRACKET CONFIGURATIONS

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Skid-steer loader



Custom-engineered single and two-position brackets give excellent results on many popular carriers. We are able to match most manufacturer's quick coupler requirements.

Vertical bracket



Vertical brackets are the most commonly used mounting method. The upper mount bracket can be used together with quick-coupler systems on a variety of carriers.

Box bracket



The box bracket is specifically designed to reduce the amount of sound emitted from the equipment.

WORKING TOOLS

Our working tools are designed with a chisel paste retaining recess at the retaining pin area for improved wear resistance.

Moil point

The moil point tool is best for breaking concrete, bedrock and pavement.

Chisel

The chisel tool is ideal for trenching work, finishing slopes and specialty applications.

Blunt

The blunt tool provides excellent shattering effects in quarries.

Core moil point

These special tools have a core insert of extremely durable, wear resistant steel. Sharpening is unnecessary because the outer edge of the tool wears faster than the hardened core, which produces double the service life of standard working tools.



Moil point



Chisel



Blunt



Core moil point



**OKADA
DEMOLITION
PULVERIZER**

PULVERIZER OSC SERIES

Secondary breaking crushers were developed as a result of a growing need to reduce disposal volume and recycle concrete waste created during concrete building demolition. The flat, wide jaw design and an internal speed valve make it possible to grab and crush large sections of concrete quickly. The OSC220A has a replaceable tooth pad.

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SPECIFICATIONS

		OSC35A	OSC70A	OSC135A	OSC200A	OSC220A	OSC360A	OSC450V
Operating weight	lbs	620	1430	2400	3950	4277	6970	7610
	kg	280	650	1090	1790	1940	3160	3450
Oil flow	gpm	7-13	16-35	26-63	44-116	44-116	66-132	79-159
	lpm	25-50	61-132	98-238	167-439	167-439	250-500	300-600
Operating pressure	psi	4000	4000	4000	4600	4600	4600	4600
	bar	280	280	280	320	320	320	320
Overall length	inch	49	62	76	86	75	106	119.9
	mm	1245	1580	1930	2190	1905	2700	3045
Overall height	inches	27.8	37.8	46.3	55.5	53.7	69.3	72.4
	mm	705	960	1175	1410	1365	1760	1840
Maximum jaw opening	inches	16.9	23.6	28.7	34	34.8	43.5	47.2
	mm	430	600	730	860	885	1105	1200
Cutter blade length	inches	3.5	3.9	5.9	5.9	5.9	7.1	7.1
	mm	90	100	150	150	150	180	180
Crushing force at center of jaw	US tons	35	51	67	99	99	112	129
	kN	305	450	600	880	880	1000	1150
Carrier weight range	1000 lbs	6.6-11	13-20	22-35	40-56	40-77	60-96	66-104
	metric tons	3-5	6-9	10-16	18-25	18-35	27-45	30-48

- 1) All models are equipped with a speed valve for increased cycle time and a built-in pressure relief valve.
- 2) The replaceable tooth pad is only available for the OSC220A model.
- 3) The above specifications assume the use of an Okada universal pin mount.
- 4) Specifications are subject to change without prior notice.

MAGNET PULVERIZER

Quickly clean up rebar!



SPECIFICATIONS

		OSC200MV	OSC200HMV
Operating weight	lbs	4720	4760
	kg	2140	2160
Oil flow	gpm	44-116	44-116
	lpm	167-439	167-439
Operating pressure	psi	4600	4600
	bar	320	320
Overall length	inches	81.7	81.7
	mm	2075	2075
Overall height	inches	61.4	61.4
	mm	1560	1560
Maximum jaw opening	inches	34.2	34.2
	mm	870	870
Cutter blade length	inches	5.9	5.9
	mm	150	150
Crushing force at center of jaw	US tons	99	99
	kN	880	880
Magnet phase length	inches	27.2x21.3	27.2x21.3
	mm	690x540	690x540
Voltage for magnet	V	24V	24V
Rating current of magnet	A	50A	75A
Carrier weight range	1000 lbs	40-56	40-56
	metric tons	18-25	18-25

- 1) All models are equipped with a speed valve for increased cycle time and a built-in pressure relief valve.
- 2) The above specifications assume the use of an Okada universal pin mount.
- 3) Specifications are subject to change without prior notice.



Shell shaped wedge provides high crushing ability

Large jaw opening and crushing area ensure unmatched productivity



OSC220A with replaceable tooth pad

Electromagnet

The magnet is powered by the 24V system of the excavator. No additional generator is required.

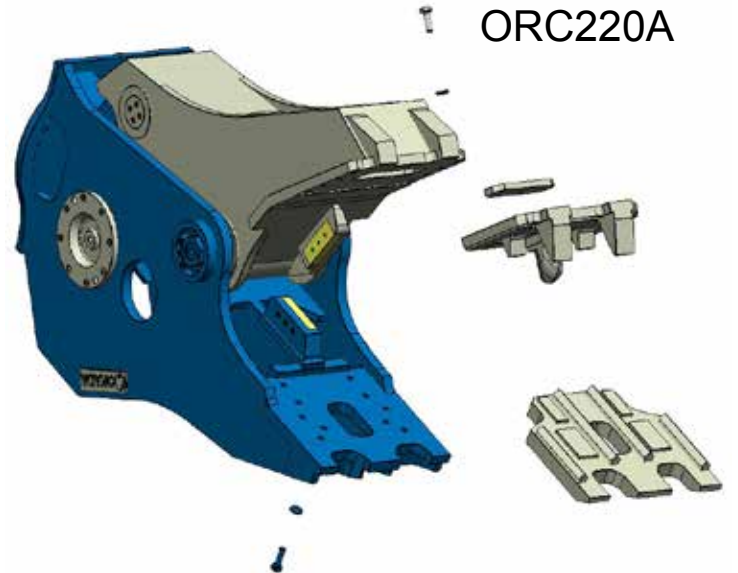
ROTATING PULVERIZER ORC SERIES

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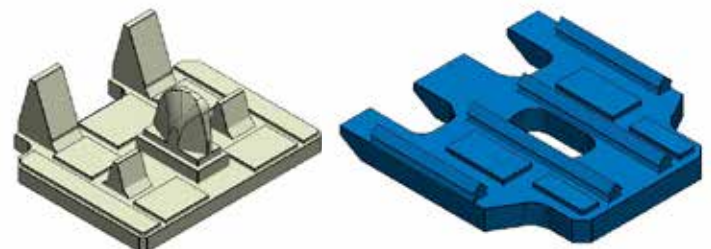
ORC200

- Hydraulic rotator
- Large capacity speed valve
- Large jaw opening



ORC220A

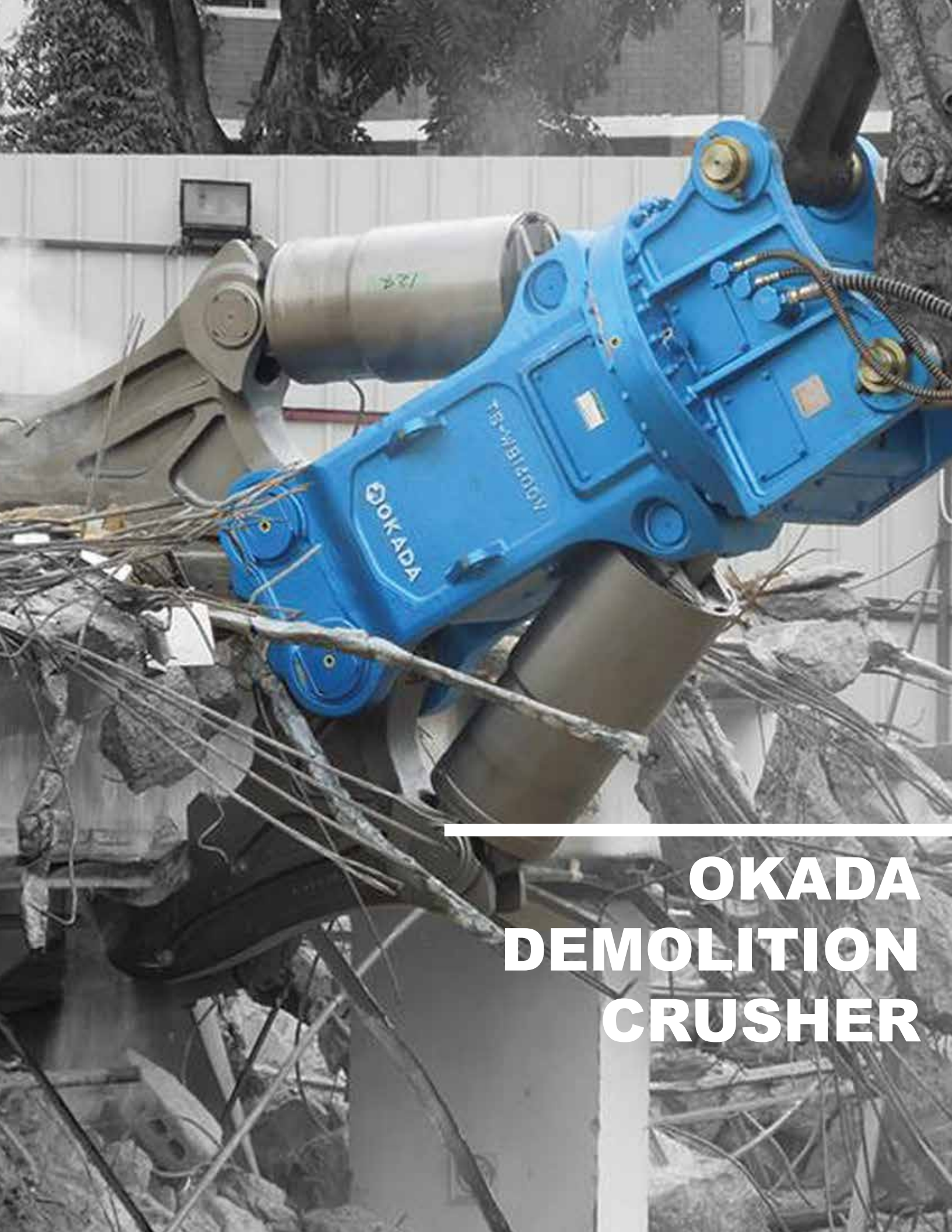
Replaceable tooth pad



SPECIFICATIONS

		ORC200	ORC220A
Operating weight	lbs	4500	5340
	kg	2050	2420
Oil flow	gpm	53-106	53-106
	lpm	200-400	200-400
Operating pressure	psi	4600	4600
	bar	320	320
Overall length	inches	90.6	88.8
	mm	2300	2255
Overall height	inches	60	48.4
	mm	1518	1230
Maximum jaw opening	inches	31.7	31.7
	mm	805	805
Cutter blade length	inches	7.1	7.1
	mm	180	180
Crushing force at center of jaw	US tons	101	84
	kN	900	750
Carrier weight range	1000 lbs.	40-77	48-84
	metric tons	18-35	22-38

- 1) All models are equipped with a speed valve for increased cycle time and a built-in pressure relief valve.
- 2) The replaceable tooth pad is only available for the ORC220A model.
- 3) The above specifications assume the use of an Okada universal pin mount.
- 4) Specifications are subject to change without prior notice.



**OKADA
DEMOLITION
CRUSHER**

PRIMARY CRUSHER TS-WB SERIES

Okada's wide product range of TS-WB concrete crushers give you a concrete solution for your carrier. Unlike some hydraulic breakers, TS-WB crushers do not emit noise or vibration and are environmentally friendly and safe.



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360° rotation mechanism

TS-WB crushers are equipped with the ability to rotate 360°.

Twin high-output cylinders

Create tremendous crushing force.

Speed valve

The unique Okada speed valve utilizes return oil from the hydraulic cylinders to greatly increase the cycle speed of the crusher and is standard on TS-WB crushers.

Wide jaw opening

With the widest jaw opening in its class, the TS-WB lets you tackle the most massive demolition jobs, processing large concrete beams and sections quickly and efficiently.

Wedge arm

Wedge shaped crushing arms efficiently and powerfully penetrate and crush reinforced concrete.

Rebar cutting blade

Troublesome rebar can be processed as part of the crushing process.

SPECIFICATIONS

		TS-WB620V	TS-WB950V	TS-WB1100V	TS-WB1400V	TS-WB1600V	TS-WB1900V	TS-W2200V	TS-WB2400V
Operating weight	lbs	1690	3740	5600	9460	10940	16340	21390	26460
	kg	920	1690	2540	4290	4960	7410	9700	12000
Oil flow	gpm	13-26	26-53	44-116	66-132	79-159	92-198	92-198	92-198
	lpm	50-100	100-200	167-439	250-500	300-600	350-700	350-700	350-700
Operating pressure	psi	4060	4350	4350	4350	4350	4350	4350	4350
	bar	280	300	300	300	300	300	300	300
Overall length	inches	73	90	104	117	124	140	146	159
	mm	1850	2280	2635	2970	3160	3560	3705	4050
Overall width	inches	44	55	64	79	90	102	122	124
	mm	1105	1405	1625	1995	2275	2600	3090	3160
Maximum jaw opening	inches	24	37	43	55	63	75	87	94
	mm	620	950	1100	1400	1600	1900	2200	2400
Crushing force at tip	US tons	40	68	106	124	148	225	236	242
	kN	355	605	940	1100	1320	2000	2100	2150
Carrier weight range	1000 lbs.	13-20	26-40	40-56	66-88	88-104	132-220	154-220	330-
	metric tons	6-9	12-18	18-25	30-40	40-48	60-100	70-100	150-

- 1) All models are equipped with a speed valve for increased cycle time and a built-in pressure relief valve.
- 2) Rotation options include free rotation (FR) where no hydraulic supply is required; hydraulic rotation (HR), provided by an independent circuit from the carrier; or our Advanced Rotation Technology System (ARTS) that allows the crusher to rotate when the jaws are fully opened, using the same hydraulic circuit used to actuate the main cylinder.
- 3) Rotation system used: TSWB620V, 950V, 1100V=FR/ARTS/HR, TSWB1400V, 1600V, 1900V, 2400V and TSW2200V = FR/HR
- 4) The above specifications assume the use of an Okada universal pin mount.
- 5) Specifications are subject to change without prior notice.





High oil flow speed valve reduces cycle time

Heavy duty bearing and frame structure

Cylinder rod cover (except for TS-W2200V)

Robust assembly

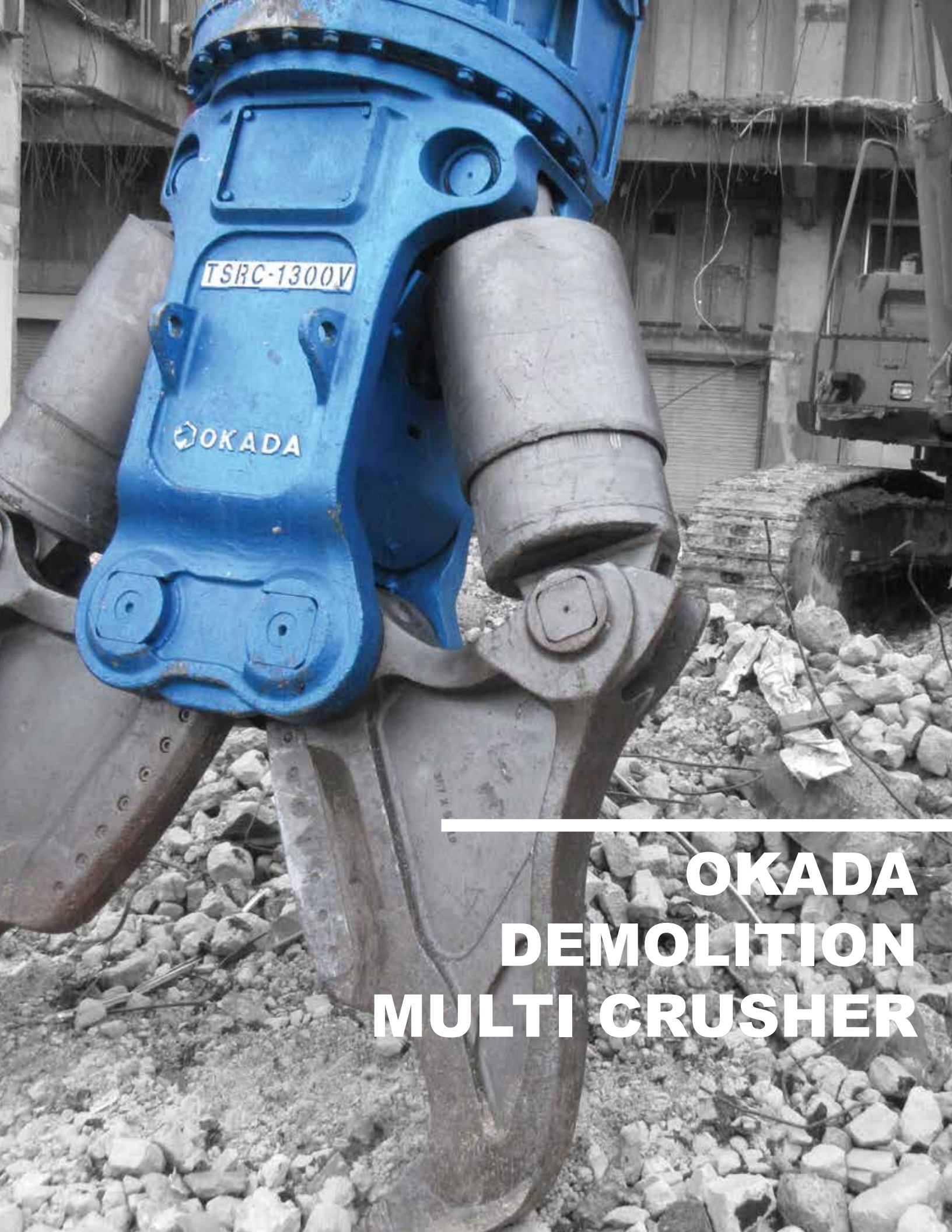
Special cast alloy jaws deliver a lightweight crusher with superior durability

TS-WB1900V
OKADA

Wedge arm penetrates concrete structures

Wider and deeper crushing area



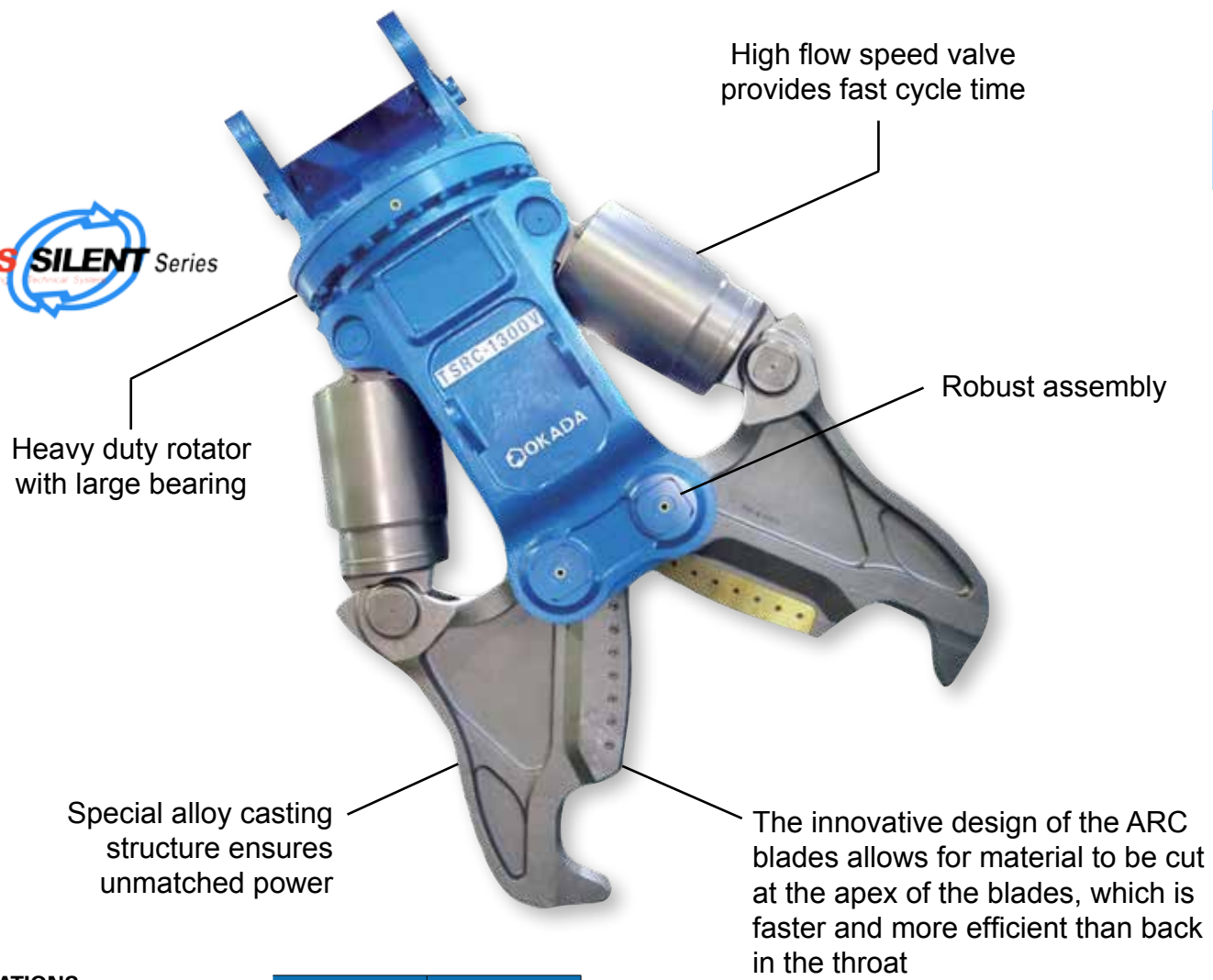


TSRC-1300V

OKADA

**OKADA
DEMOLITION
MULTI CRUSHER**

MULTI CRUSHER TSRC SERIES



High flow speed valve provides fast cycle time

Robust assembly

Heavy duty rotator with large bearing

Special alloy casting structure ensures unmatched power

The innovative design of the ARC blades allows for material to be cut at the apex of the blades, which is faster and more efficient than back in the throat

SPECIFICATIONS

		TSRC-1000V	TSRC-1300V
Operating weight	lbs	5800	9310
	kg	2630	4220
Oil flow	gpm	44-116	66-132
	lpm	167-439	250-500
Operating pressure	psi	4350	4350
	bar	300	300
Overall length	inches	101	115
	mm	2555	2920
Overall width	inches	61	75
	mm	1540	1900
Maximum jaw opening	inches	39	51
	mm	1000	1300
Cutter blade length	inches	18.9	21.7
	mm	480	550
Crushing force at tip	US tons	107	124
	kN	950	1100
Crushing force at center	US tons	278	320
	kN	2470	2850
Carrier weight range	1000 lbs.	44-56	66-88
	metric tons	20-25	30-40



- 1) All models are equipped with a speed valve for increased cycle time and a built-in pressure relief valve.
- 2) Rotation options include free rotation (FR) where no hydraulic supply is required; hydraulic rotation (HR), provided by an independent circuit from the carrier; or our Advanced Rotation Technology System (ARTS) that allows the crusher to rotate when the jaws are fully opened, using the same hydraulic circuit used to actuate the main cylinder.
- 3) Rotation system used: TSRC1000V=FR/ARTS/HR, TSRC1300V=FR/HR
- 4) The above specifications assume the use of an Okada universal pin mount.
- 5) Specifications are subject to change without prior notice.

Intelligent Technology



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