



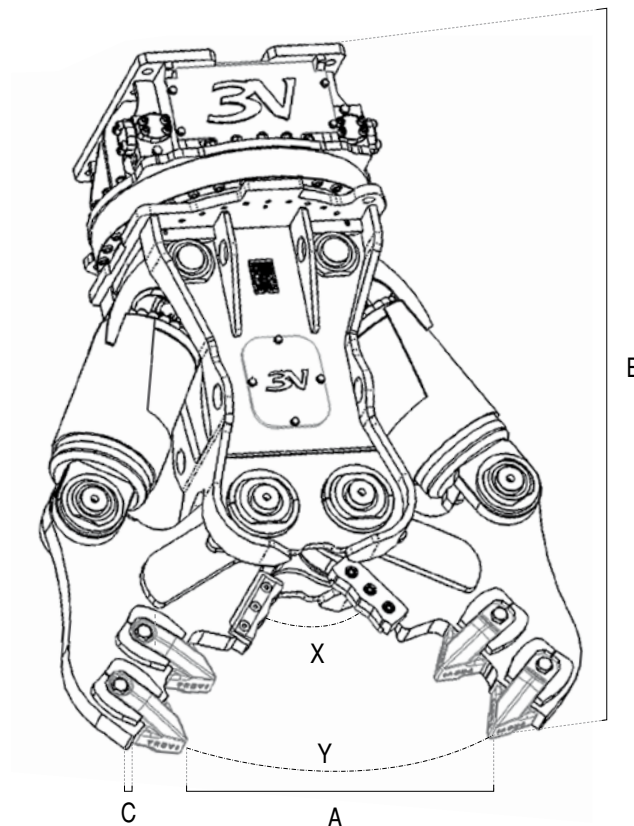
Demolition & Recycling Professional User Guide



HYDRAULIC PRIMARY CRUSHER

HC Series

...created for the most delicate and precise primary demolition phases, suitable for the demolition of reinforced concrete structures and the removal of materials at substantial heights, it is undoubtedly the fastest, most precise, powerful and compact equipment available on the market...



		HC 02	HC 05ND*	HC 10ND*	HC 13D**	HC 15ND*	HC 20ND*	HC 25ND*	HC 40	HC 50	HC 60	HC 80	HC 100	HC 120
Excavator Weight	lbs	4,410 : 8,820	11,025 : 18,225	22,050 : 33,075	44,100 : 55,125	35,280 : 46,305	48,510 : 61,740	63,945 : 77,175	79,380 : 108,045	110,250 : 143,325	145,530 : 187,425	189,630 : 231,525	189,630 : 286,650	189,630 : 330,750
Weight	lbs	400	1,200	2,250	2900	3,700	4,700	5,800	8,400	10,700	14,300	18,900	23,700	26,900
A	inches	11	18,9	27	24	32,3	35	43	54	59	66	72	80	90
B	inches	40	51	61	69	70	75	83	99	106	116	124	132	145
C	inches	1	2	2,4	2,4	2,8	2,8	3,1	3,5	4	4	4,7	4,7	5,1
	inches	3,5	5,5	5,5	7,1	7,1	7,1	8,7	10,2	12,8	12,8	12,8	15,7	15,7
X	t.	60	80	160	180	170	205	220	365	470	590	720	760	820
Y	t.	18	20	45	45	60	70	75	85	120	145	185	220	240
Working pressure	psi	3,000	3,600	4,500	4,500	4,500	4,500	4,500	4,500	5,000	5,000	5,000	5,000	5,000
Oil flow	g/min.	10 / 16	21 / 39	39 / 66	47 / 66	47 / 66	53 / 79	66 / 92	79 / 105	79 / 118	105 / 132	118 / 170	132 / 211	132 / 211
Rotation	psi / g/min.	/	1,750 / 2,6	2,000 / 2,6	2,000 / 2,6	2,000 / 2,6	2,000 / 2,6	2,000 / 2,6	2,000 / 2,6	2,000 / 8	2,000 / 8	2,000 / 13	2,000 / 13	2,000 / 15

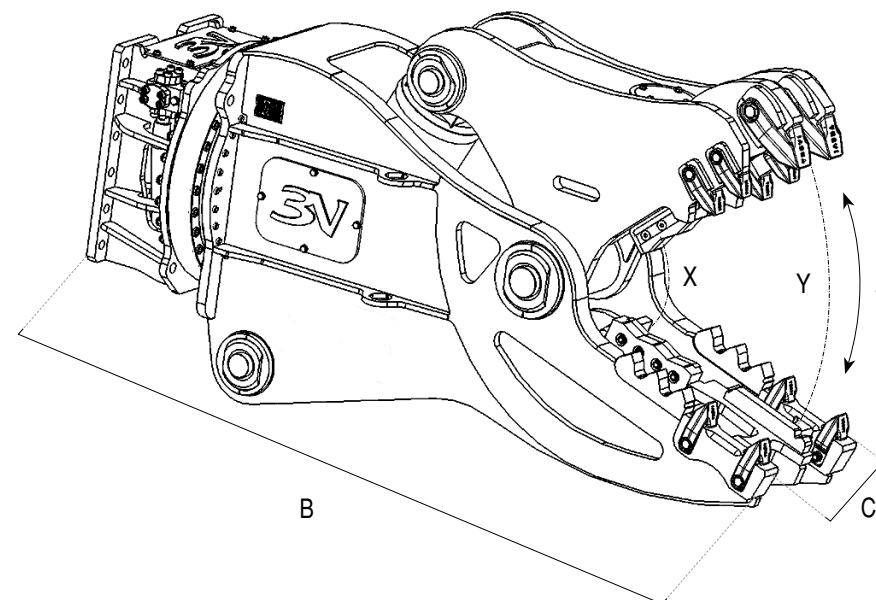
(*) Bolted interchangeable teeth version available / (**) Recommended for 44,100 to 55,125 lbs excavator with demolition long boom



ROTATING PULVERIZER

FR Series

...the structural characteristics of this pulverizer allow the operator to tackle the primary and secondary demolition phases with just one equipment. As precise and quick as a crusher thanks to the continuous hydraulic rotation, powerful and productive thanks to the jaws typical of a demolisher...



		FR 09RD*	FR 13RD*	FR 15RD*	FR 20RD*	FR 25RD*	FR 35RD*	FR 50RD*	FR 70RD*	FR 100N	FR 200	FR 250
Excavator Weight	lbs	19,845 : 26,460	28,665 : 33,075	35,280 : 46,305	48,510 : 61,740	63,945 : 77,175	79,380 : 110,250	112,455 : 147,735	149,940 : 187,425	189,630 : 286,650	220,500 : 441,000	220,500 : 551,250
Weight	lbs	2,000	2,900	3,600	4,670	6,260	7,600	11,000	15,300	25,200	45,300	54,300
A	inches	25,8	27,8	29,3	34,2	36	38,6	44,1	52	66,9	74,8	80,7
B	inches	68,1	75,6	80,7	91,7	95,3	98,4	111,8	127,9	151,6	176,4	202,4
C	inches	14,2	16,1	17,7	19,9	23,6	25,2	28,9	31,1	38,2	55,1	55,1
	inches	5,5	8,7	8,7	10,2	10,2	10,2	10,2	12,8	19,7	19,7	19,7
X	t.	85	140	180	200	230	305	320	400	450	860	990
Y	t.	40	55	65	80	105	120	135	170	200	380	410
Working pressure	psi	4,500	4,500	4,500	4,500	4,500	4,500	5,000	5,000	5,000	5,000	5,000
Oil flow	g/min.	40 / 66	48 / 66	48 / 66	53 / 80	66 / 92	80 / 105	92 / 118	118 / 158	132 / 211	237 / 317	237 / 317
Rotation	psi / g/min.	2,100 / 2,6	2,100 / 2,6	2,100 / 2,6	2,100 / 2,6	2,100 / 2,6	2,100 / 2,6	2,100 / 8	2,100 / 8	2,100 / 13	2,100 / 13	2,100 / 13

(*) Bolted interchangeable teeth version available

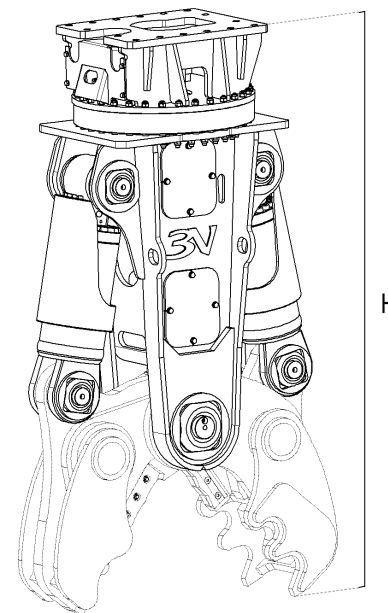
...functional and versatile tool that allows different work kits to be assembled on just one universal carrier chassis to be used on work sites for various different applications such as demolition, crushing, cutting ferrous material and metal profiles, separating and moving various types of aggregates...



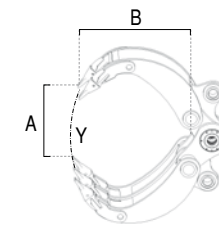
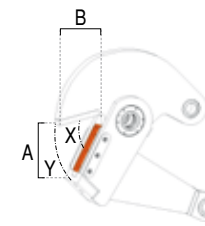
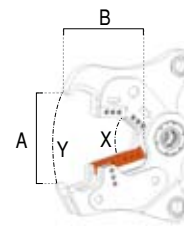
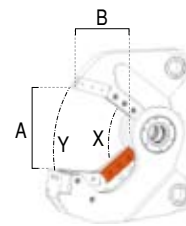
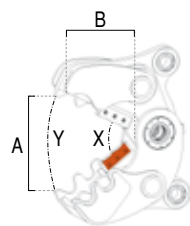
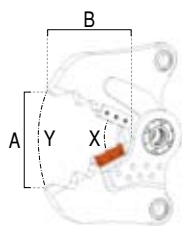
UNIVERSAL PROCESSOR

MF Series

		MF 15	MF 18	MF 25	MF 40	MF 60
Excavator Weight	lbs	33,075 : 48,510	39,690 : 50,715	52,920 : 81,585	83,790 : 119,070	121,275 : 165,375
Frame Weight	lbs	2,160	3,130	3,700	5,840	8,100
H	inches	70 ~	78 ~	90	102 ~	118 ~
Working pressure	psi	4,500	4,500	4,500	4,500	5,000
Oil flow	g/min.	39 / 66	53 / 79	66 / 93	79 / 105	105 / 168
Rotation	psi / g/min.	2,000 / 2,6	2,000 / 2,6	2,000 / 2,6	2,000 / 2,6	2,000 / 2,6



HARDOX®
WEAR PLATE

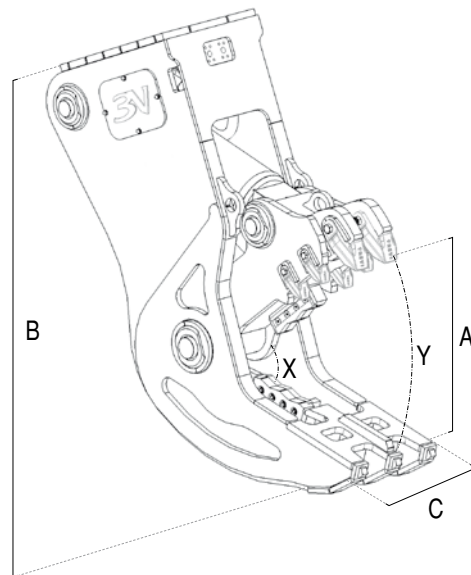


		Primary Crusher Kit					Pulverizer Kit					Shear Kit					Combi Kit					Steel-plate Shear Kit					Handling Kit				
		MF 15	MF 18	MF 25	MF 40	MF 60	MF 15	MF 18	MF 25	MF 40	MF 60	MF 15	MF 18	MF 25	MF 40	MF 60	MF 15	MF 18	MF 25	MF 40	MF 60	MF 15	MF 18	MF 25	MF 40	MF 60	MF 15	MF 18	MF 25	MF 40	MF 60
Kit Weight	lbs	750	1,300	1,587	3,130	3,670	947	1,366	1,850	3,328	3,990	860	1,058	1,500	2,380	3,284	915	1,212	1,654	2,955	3,725	1,200	1,565	1,775	2,844	4,100	1,600	2,337	2,778	3,373	5,092
A	inches	29	30	37	42,5	54	25	28	34	39	43	14	19	22	25	29	24	30	34	27	48	5	6	6	8	10	40	53	79,5	85	95,6
B	inches	17	23	27	30	35	17	22	26	28	33	11	14	18	30	34	17	22	27	30	36	10	13	15	19	22	38	50	39	53	59
	inches	7	8,7	8,7	10,2	10,2	7	8,7	8,7	10,2	10,2	5,9	7,9	10,3	15,4	17,3	10	14	16	18	21	8,9	12	14	16	18	/	/	/	/	/
X	inches	110	120	155	310	530	110	120	155	310	530	85	110	110	280	490	85	115	140	300	595	85	115	130	280	480	/	/	/	/	/
Y	t.	50	55	60	95	125	50	55	60	95	125	50	65	70	90	115	40	55	60	90	120	65	85	100	135	150	20	25	35	50	60
Ø max	inches	1	1,2	1,6	2	2,4	1	1,2	1,6	2	2,4	1,2	1,6	2,4	2,8	3,5	1,2	1,4	2	2,4	2,8	/	/	/	/	/	/	/	/	/	/
 IPN max	inches	/	/	/	/	/	/	/	/	/	/	8,7	8,7	14,2	15,7	19,7	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
 HEA max	inches	/	/	/	/	/	/	/	/	/	/	3	4	8	10,2	12,6	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
 max	inches	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	0,3	0,4	0,5	0,6	0,8	/	/	/	/	/

SECONDARY PULVERIZER

F Series

...the fixed hydraulic pulverizer is suitable for the secondary demolition phase. Its particular hook shape makes it extremely versatile for use on the ground, allowing the demolition of boundary walls and vertical cement structures of medium height, paving and slabs with the consequent separation of the reinforcement iron in concrete...



		F 07	F 12RD*	F 18RD*	F 20RRD*	F 25RD*	F 30RD*	F 70RD*
Excavator Weight	lbs	13,230 : 22,050	28,665 : 37,485	39,690 : 55,125	50,715 : 61,740	55,125 : 70,560	72,765 : 99,225	143,325 : 187,425
Weight	lbs	1,212	2,620	4,210	5,100	5,490	3,070	6,430
A	inches	18,7	21,2	31,9	31,9	80	82,7	108,3
B	inches	52,3	68,5	72,8	87,8	77	82,7	105
C	inches	13	16,5	18,5	18,5	22,4	25,2	31,5
	inches	5,5	8,7	10,2	10,2	10,2	10,2	12,8
X	t.	70	150	200	200	235	275	415
Y	t.	25	65	80	80	95	105	170
Working pressure	psi	3,600	4,500	4,500	4,500	4,500	4,500	4,900
Oil flow	g/min.	10 / 16	31 / 53	53 / 80	53 / 80	66 / 93	80 / 105	120 / 160
Rotation	psi / g/min.	/	/	/	2,000 / 3,8	/	/	

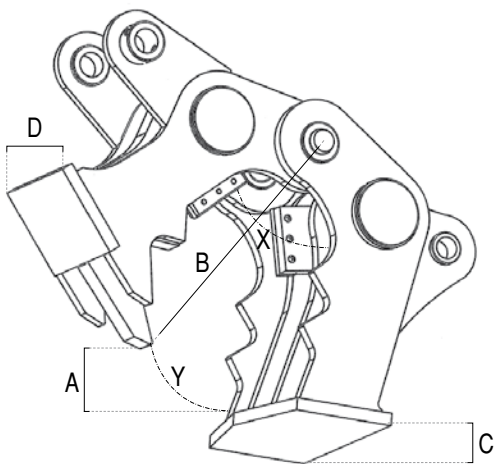
(*) Bolted interchangeable teeth version available



MECHANICAL PULVERIZER

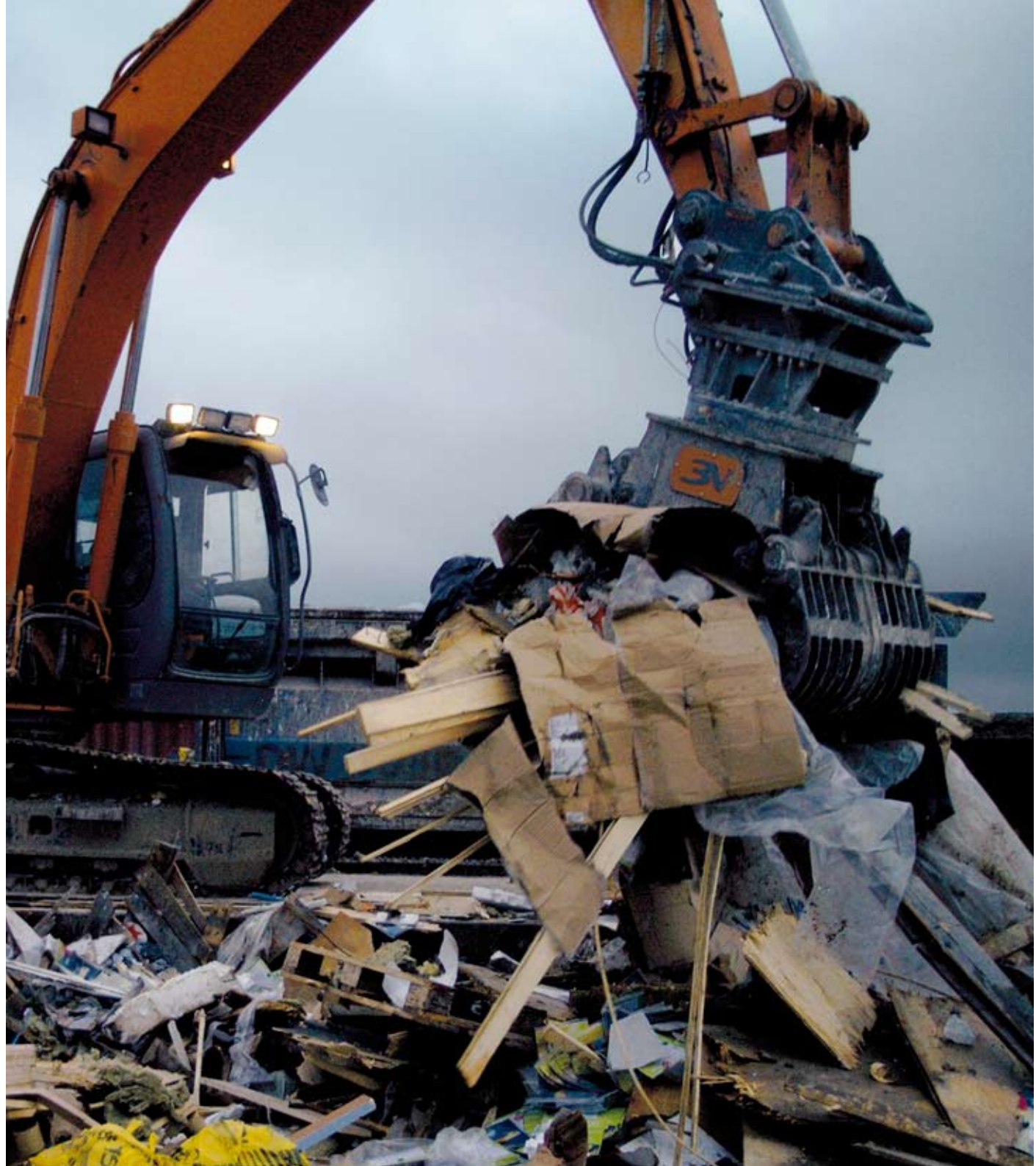
FM Series

...practical, fast and powerful equipment, designed to process demolition waste material on site, for the demolition of concrete structures, framework and pylons, for the separation of the reinforcement rods from the concrete, it does not require any hydraulic connections because it uses the driving force of the bucket jack...



HARDOX®
WEAR PLATE

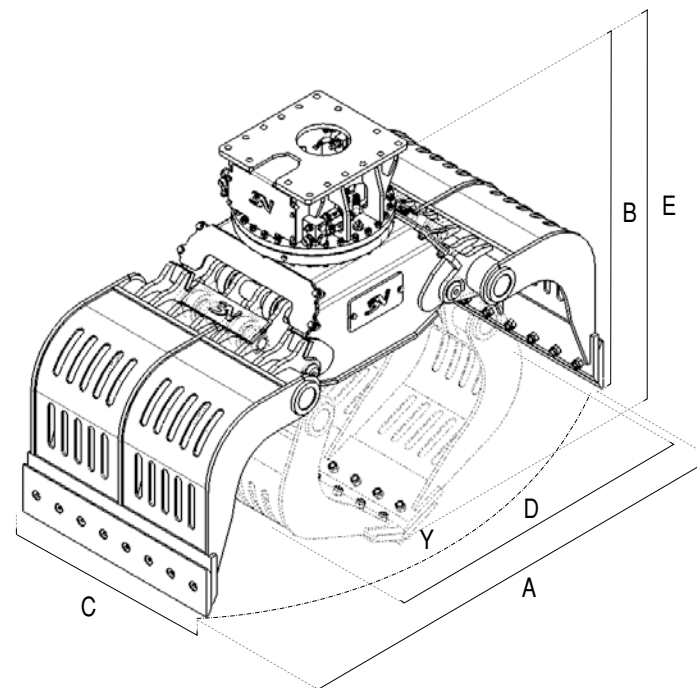
		FM 10	FM 15	FM 20	FM 25	FM 35	FM 50	FM 70	FM 100
Excavator Weight	lbs	13,230 : 22,050	22,050 : 33,075	33,075 : 55,125	55,125 : 79,380	79,380 : 105,840	105,840 : 143,325	143,325 : 176,400	176,400 : 220,500
Weight	lbs	1,320	1,875	3,200	3,530	4,410	6,175	8,050	9,920
A	inches	21,6	28,1	36	41,3	47,2	53,5	59	61
B	inches	22,8	27,2	30,3	31,9	34,6	41,3	45,3	49,2
C	inches	17,7	21,6	26	26	27,5	31,5	37,4	47,2
D	inches	12,8	16,7	18,1	18,1	21,2	25,2	29,1	41,3
	inches	5,5	7,9	7,9	7,9	7,9	9,8	9,8	9,8
X	t.	55 / 75	70 / 105	90 / 135	120 / 180	160 / 225	195 / 300	260 / 400	350 / 500
Y	t.	20 / 27	27 / 35	35 / 45	45 / 60	55 / 75	70 / 100	100 / 130	130 / 150



DEMOLITION AND SORTING GRAB

PMG Series

...the demolition and selector grabs have been designed and manufactured to demolish structures and buildings of medium consistency, for the targeted selection of resulting materials in environmental recovery, for specific separation and movement of the aggregates present on the work site...

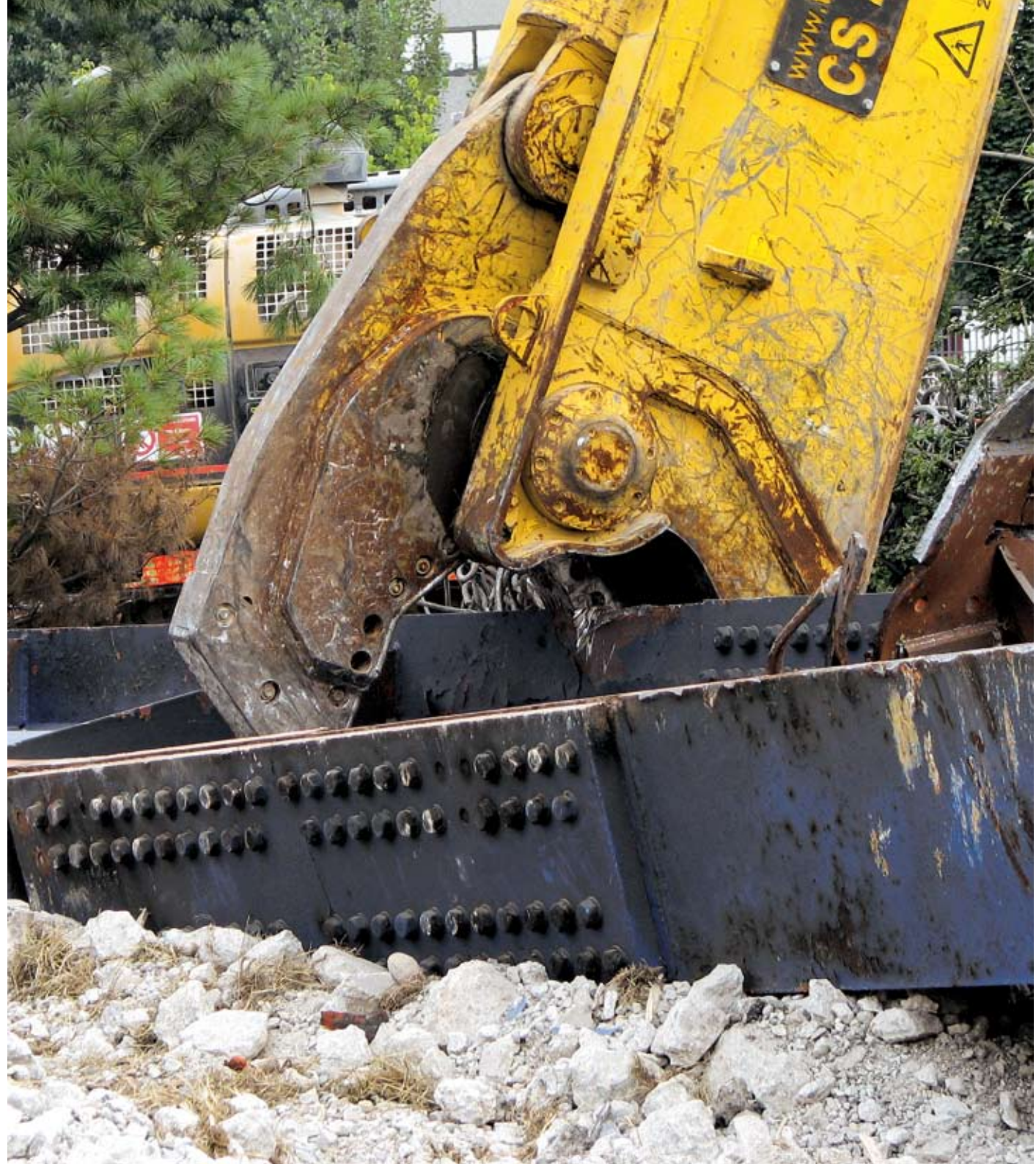


HARDOX®
WEAR PLATE

		PMG 05	PMG 08	PMG 09S**	PMG 10C*	PMG 10S**	PMG 15C*	PMG 15S**	PMG 20C*	PMG 20S**	PMG 30C*	PMG 30S**	PMG 40S**
Excavator Weight	lbs	8,820 : 13,230	13,230 : 17,640	19,845 : 30,870	33,075 : 41,895	33,075 : 41,895	44,100 : 55,125	44,100 : 55,125	50,715 : 66,150	50,715 : 66,150	68,355 : 99,225	68,355 : 99,225	101,430 : 143,325
Weight	lbs	815	925	1,650	2,250	2,360	3,175	3,373	4,122	4,400	6,350	6,966	8,530
A	inches	44	59	69	77	77	81	81	97	97	110	110	120
B	inches	31	38	46	51	51	56	56	61	61	71	71	83
C	inches	24	24	28	36	36	39	39	49	49	51	51	59
D	inches	41	34	41	46	46	50	50	57	57	67	67	77
E	inches	38	46	52	58	58	62	62	70	70	80	80	90
Y	t.	2	2,5	3,5	5	5	6	6	9	9	12,5	12,5	15
Cap. SAE	cy	0,25	0,5	0,7	0,9	0,9	1,2	1,2	1,6	1,6	2,0	2,0	2,4
Working pressure	psi	3,600	3,600	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500	4,500
Oil flow	g/min.	21 / 26	21 / 26	21 / 26	21 / 26	21 / 26	21 / 26	21 / 26	26 / 31	26 / 31	26 / 31	26 / 31	31 / 39
Rotation	psi / g/min.	1,750 / 2,6	1,750 / 2,6	2,030 / 2,6	2,030 / 2,6	2,030 / 2,6	2,030 / 2,6	2,030 / 2,6	2,030 / 2,6	2,030 / 2,6	2,030 / 2,6	2,030 / 2,6	2,030 / 5,3

PMG C* Version: is recommended for selection and handling operations of waste materials

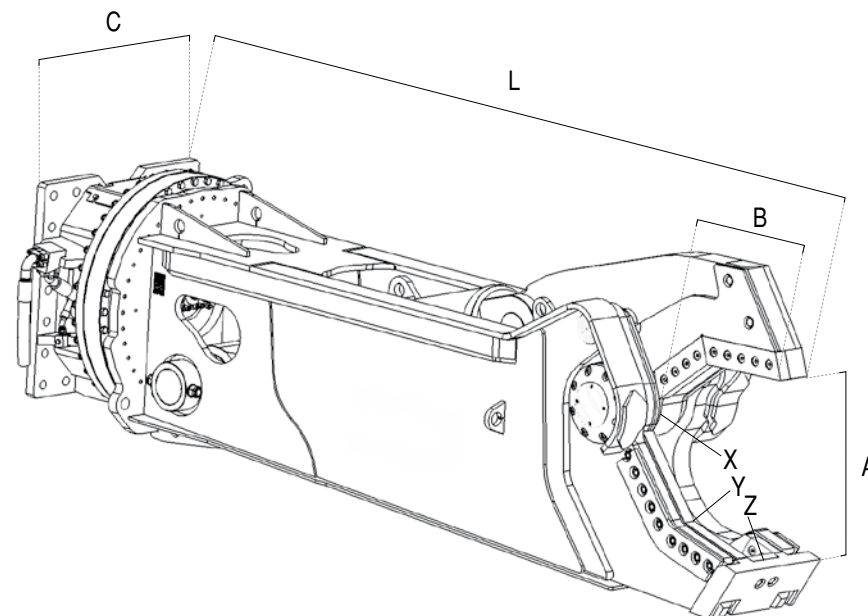
PMG S** Version: is recommended to demolish structures and buildings of average consistency



MARILYN SHEAR

CS Series

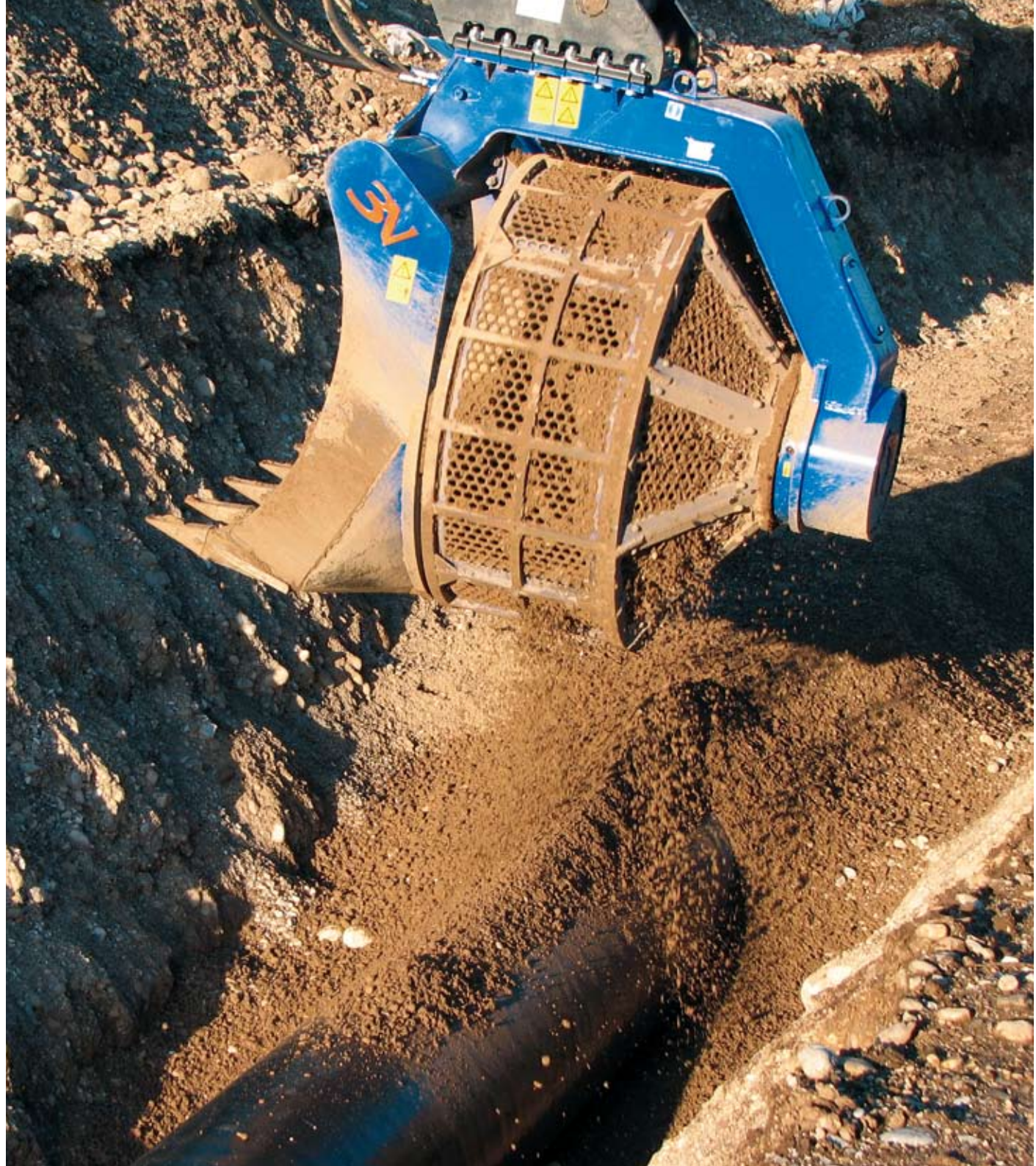
...destined for modern industrial demolition work sites that require substantial cutting power at considerable heights and for professionals who work in the recycling of scraps and ferrous materials. The continuous rotation, the protected cylinder, a speed multiplier valve and its interchangeable blades make it unique in its kind...



HARDOX®
WEAR PLATE



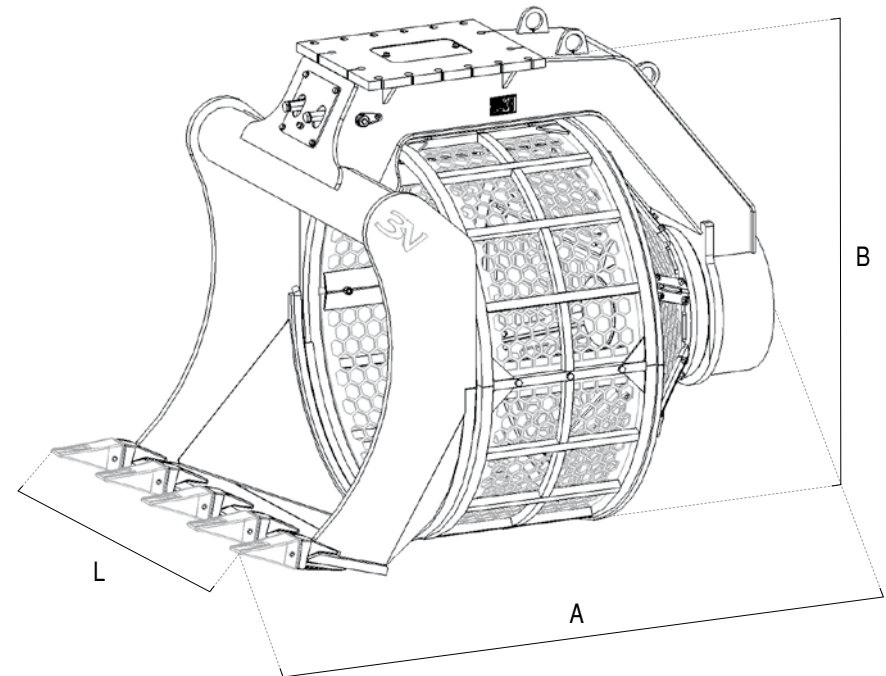
		CS 05R	CS 07R	CS 20RS	CS 30RS	CS 40RS	CS 55RS	CS 70RS	CS 90RS
Excavator weight boom position	lbs	5,510 : 8,820	8,820 : 15,435	22,050 : 35,280	37,485 : 48,510	55,125 : 66,150	66,150 : 88,200	99,225 : 121,275	154,350 : 198,450
Excavator weight bucket position	lbs	11,025 : 17,640	17,640 : 26,460	39,690 : 55,125	66,150 : 83,790	88,200 : 110,250	121,275 : 154,350	165,375 : 220,500	264,600 : 330,750
Weight	lbs	992	1,650	3,630	6,170	8,600	12,450	15,800	20,400
A	inches	13,4	15,9	21	24,2	26,8	30,7	33,3	36,2
B	inches	12,6	14	17,9	21,5	23,6	27,2	27,9	30,7
C	inches	18,1	18,1	28,1	28,1	34	39,4	43,3	47,2
L	inches	67,9	80,7	104,7	122,4	134,6	153,7	165	173,2
X	t.	125	210	270	550	600	715	875	1190
Y	t.	50	90	125	230	270	290	375	535
Z	t.	25	50	70	125	145	160	205	295
Working pressure	psi	3600	4500	4500	4900	4900	4900	4900	4900
Oil flow	g/min.	21 / 38	38 / 40	48 / 66	53 / 80	80 / 105	105 / 132	118 / 160	132 / 211
Rotation	psi / g/min.	1750 / 2,7	1750 / 2,7	2000 / 2,7	2000 / 2,7	2000 / 2,7	2000 / 7,9	2000 / 7,9	2000 / 13,2



SCREENING BUCKET

BVR Series

...essential equipment for numerous applications such as selecting stones along water courses, selecting resulting materials after a demolition, reclaiming stony soil, cleaning beaches, separating organic waste in landfill sites, covering pipes in canalisation works...



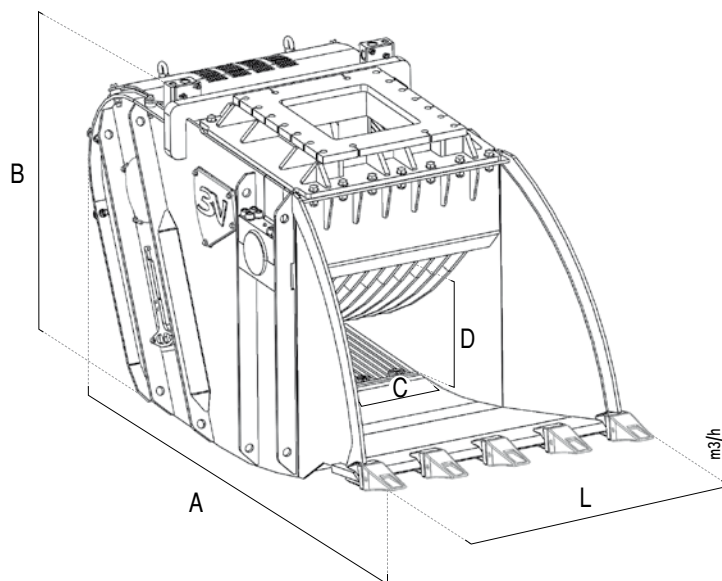
HARDOX®
WEAR PLATE

		BVR 07	BVR 08	BVR 09	BVR 12C	BVR 12C Speed	BVR 14C	BVR 14C Speed	BVR 15C	BVR 15C Speed	BVR 19C
Excavator Weight	lbs	6,615 : 11,025	11,025 : 17,640	17,640 : 26,460	28,665 : 35,280	28,665 : 35,280	37,485 : 46,305	37,485 : 46,305	48,510 : 66,150	48,510 : 66,150	68,355 : 88,200
Weight	lbs	550	770	1,520	2,910	2,910	3,460	3,460	3,990	3,990	5,770
A	inches	17,5	20,3	27,2	31,1	31,1	36,4	36,4	38,6	38,6	36,2
B	inches	31,7	36,6	41,5	57,5	57,5	65	65	74,4	74,4	78,7
L	inches	27,6	31,5	35,4	47,2	47,2	55,1	55,1	63	63	68,9
Cap. SAE	cy	0,5	0,7	0,9	1,1	1,1	1,2	1,2	1,4	1,4	1,9
Working pressure	psi	1,500 / 1,750	1,500 / 1,750	1,500 / 1,750	1,500 / 1,750	1,500 / 3,000	1,500 / 1,750	1,500 / 3,000	1,500 / 1,750	1,500 / 3,000	1,500 / 1,750
Oil flow	g/min.	8 / 13	8 / 13	13 / 19	21 / 38	38	21 / 38	38	21 / 38	38	21 / 38
Round per minute	rpm	18 / 24	18 / 24	18 / 24	18 / 24	35 / 40	18 / 24	35 / 40	18 / 24	35 / 40	18 / 24

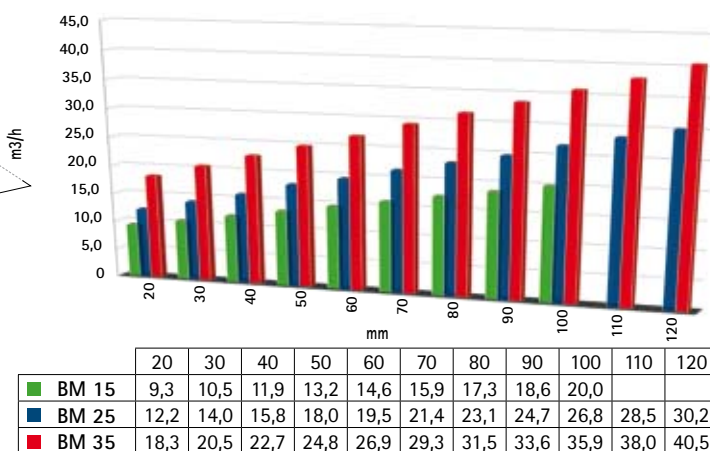
CRUSHING BUCKET

BM Series

...conceived to crush the material coming from demolitions and from building restorations, to reclaim waste from storing centres and to process waste from quarry extractions, the crushing buckets allows recycling and reutilising the finished product directly in the construction yard...



Production of average toughness material

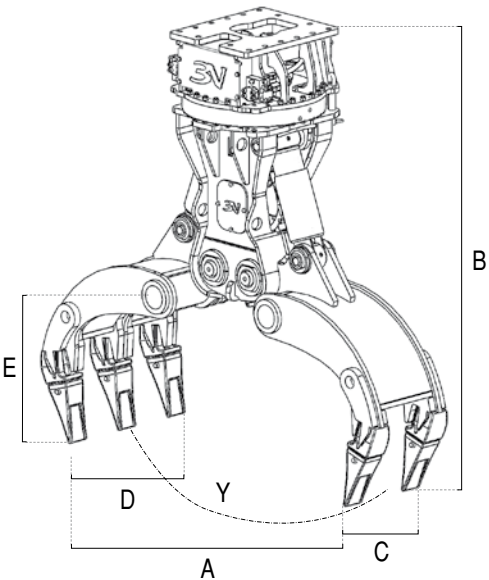


		BM 15	BM 25	BM 35
Excavator Weight	lbs	26,460 : 44,100	39,690 : 55,125	55,125 : 99,225
Weight	lbs	3,300	5,500	7,700
A	inches	80,7	96,5	108,2
B	inches	46,5	50,8	55,5
L	inches	32,7	38,2	46,1
C	inches	23,6	29,5	35,4
D	inches	17,7	21,6	25,6
Cap. SAE	cy	0,65	0,8	1,2
Working pressure	psi	2,900	3,200	3,200
Oil flow	g/min.	40	48	48
Size setting	inches	0,8 / 3,9	0,8 / 4,7	0,8 / 4,7

HANDLING GRAB

PM Series

...it's proposed to complete a wide range of versatile and handy tools indispensable to satisfy the requirements of users working in the recycling and reclamation field, environmental recovery and block movement sector for the creation of artificial dykes, as well as for the targeted treatment of waste materials...



HARDOX®
WEAR PLATE

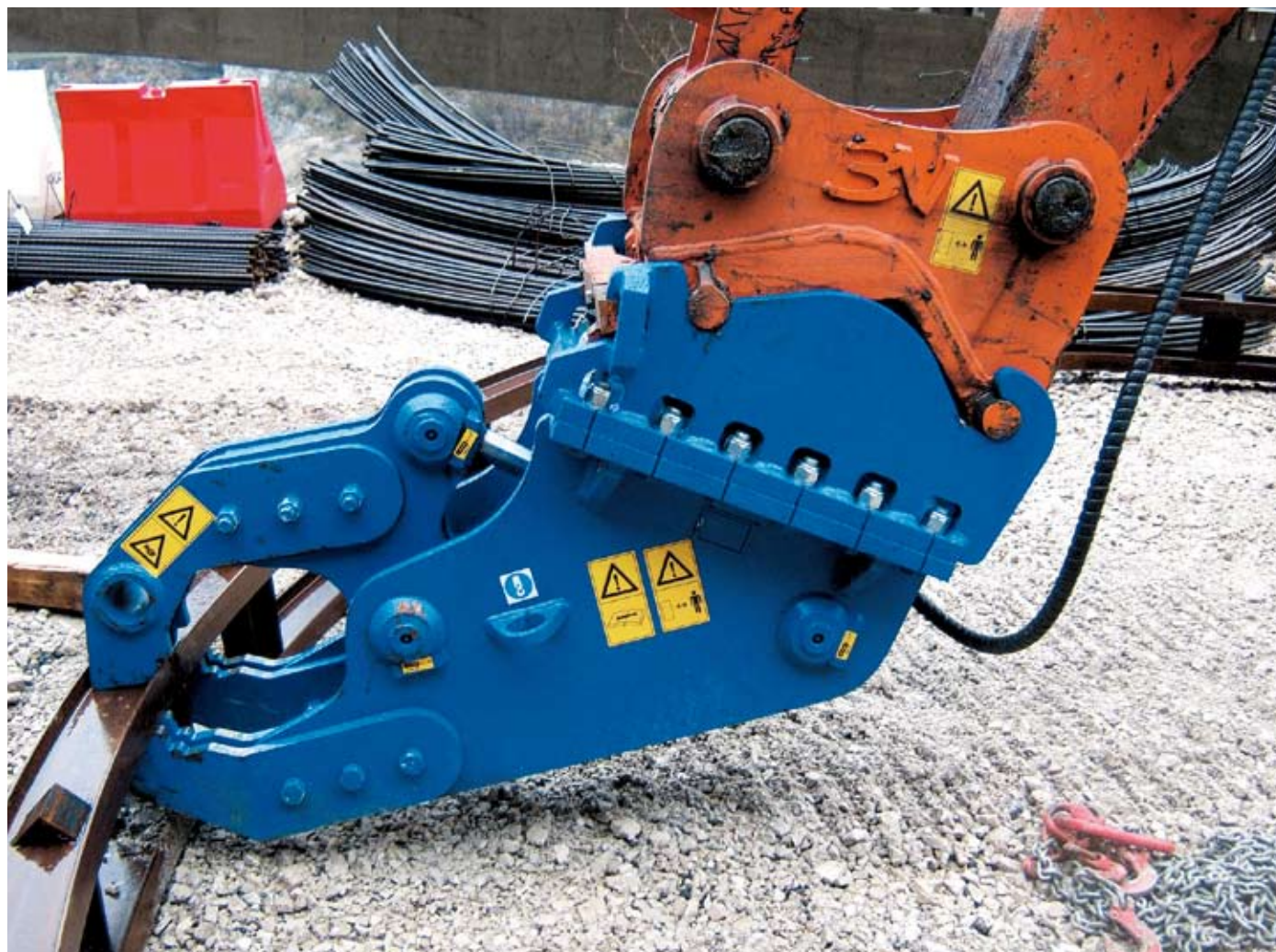
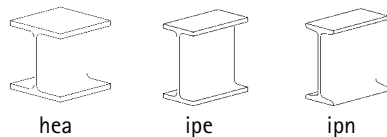
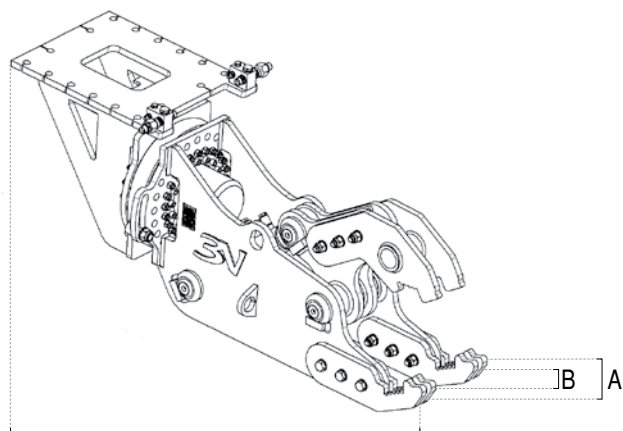
		PM 15	PM 20	PM 30
Excavator Weight	lbs	33,075 : 44,100	44,100 : 66,150	66,150 : 88,200
Weight	lbs	2,755	4,078	7,054
A	inches	62	69	86
B	inches	80	87	110
C	inches	16	21	25
D	inches	28	32	39
E	inches	32	34	43
Y	t.	6	10	15
Cap. SAE	cy	0,8	1,2	1,6
Working pressure	psi	4,500	4,500	4,500
Oil flow	g/min.	26 / 52	48 / 66	53 / 80
Rotation	psi / g/min.	2,100 / 2,6	2,100 / 2,6	2,100 / 2,6



RIB POSITIONING CLAMP

PC Series

...equipment created for positioning the ribs that will constitute the support arcades of tunnels. They are custom-built according to the characteristics, the dimensions and the thicknesses of the rib or the I-beam to be lifted, respecting the customer's parameters and indications...



		PC 02	PC 03*
Excavator Weight	lbs	33,075 : 110,250	33,075 : 110,250
Weight	lbs	1,433 ~	2,535 ~
L	inches	59 ~	79 ~
A	inches	14	14
B	inches	6	6
Working pressure	psi	3,600	3,600
Oil flow	g/min.	11 / 21	11 / 21
Rotation	psi / g/min.	/	2,000 / 6

(*) 270° rotation model provided



"Production always starts from the technical department". A whole department is dedicated to research, development and the technological perfection of the product from the first design stages up to when the product is sent to the final user. Adopting a three-dimensional "Solid Works" drawing programme, we have overcome the limits and restrictions that two-dimensional views offered, succeeding in obtaining:

- design simplicity thanks to the parameterisation of the dimensions;
- the possibility to analyse interferences between the bodies dynamically;
- the possibility to calculate masses and centres of gravity of the structures automatically;
- generation of a three-dimensional dynamic image of the component made.



The material used for the construction of Trevi Benne's excavation, loading, demolition and recycling equipment is mainly Hardox. Hardox is a plate that satisfies the most demanding requirements in terms of wear / weldability / abrasion. The particular combination of strength and increased hardness, very high yield and excellent toughness, make the product largely suitable for various types of applications. The Hardox wear plates are an excellent choice in applications in which wear is prominent and can produce greater damage. The high resistance to wear increases the service life of the equipment and its components guaranteeing longevity and reliability.



The "speed multiplier" valve recovers and reuses the discharged oil. The presence of this regenerating circuit in most of the Trevi Benne demolition equipment allows the time required for closing the jaws when approaching the material to be crushed to be notably reduced.



The system of interchangeable teeth used on various models of the Trevi Benne demolition equipment, allows quick replacement of the latter directly on the work site, hence avoiding having to take back the parts that are subject to wear, reducing maintenance costs and hence limiting machine downtime.



NAD is an Association made up of Italian demolition contractors with the aim of developing and promoting demolition according to particularly high quality standards. Since 2006 Trevi Benne has been an active sponsor of the Association contributing through financial support to the growth, promotion and development of the demolition, recycling and environmental recovery industry, participating in conventions and advertising in specialized magazines.



Since June 2006 Trevi Benne S.p.A. is a company that has gained the Management System certification for Quality in conformity with the UNI EN ISO 9001:2000 standard, issued by the Certifying Body TÜV Italia with cert. N° 501005936, valid for the application field in the design and production of buckets, earth moving machinery equipment and hydraulic and mechanical equipment for the demolition and recycling of aggregates.

The weights of the equipment described in this catalogue do not include the attachment adapter plate.
The product characteristics and specifications can vary without any obligation to provide advance notice.



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Certified company
Cert. N° 501005936
UNI EN ISO 9001:2000