

MADE BY
GIORGIO CANGINI



Brochure
4.3
version

www.malagutisrl.com

EN







Plury[®]

A single machine
**COMPACTS,
INFIX,
PRE-DRILLS
AND CUTS.**

Vibration drive

Available in different tons

Multifunction accessories

Our accessories allow you to compact,
pre-drill various types of soil
and vibro-drive piles and sheet piles

Wide range of accessories

Aimed at satisfying various types of
work on site

Versatile

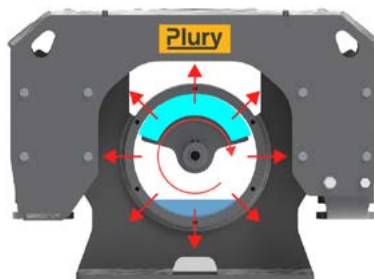
If equipped with a quick coupling, it
allows the accessory to be changed
extremely rapidly

 VIDEO



PLURY W1

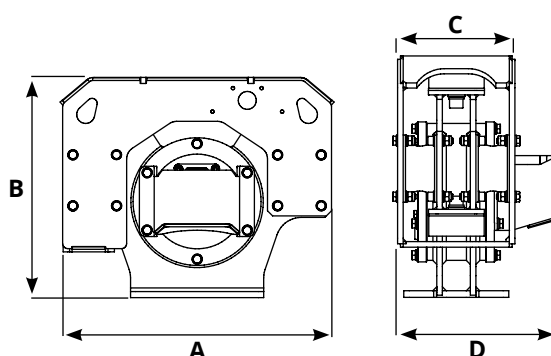
SINGLE VIBRATING MASS PROPULSION SYSTEM



■ vibrating mass

■ directional force

Radial vibration, the centrifugal force produced is radially distributed over 360°



PLURY	W1 9.0 TONS 1.0 - 2.0	W1 15.0 TONS 1.5 - 4.0	W1 15.0 TONS 1.5 - 4.0	W1 15.0 TONS 1.5 - 4.0	W1 27.0 TONS 4.0 - 6.5	W1 27.0 TONS 4.0 - 6.5	W1 27.0 TONS 4.0 - 6.5
A (mm)	480	525	525	525	680	680	680
B (mm)	366	430	430	430	540	540	540
C (mm)	210	210	210	210	272	272	272
D (mm)	290	290	290	290	395	395	395
Weight (Kg)	72	105	105	105	187	187	187
Engine (CC)	11	11	14	17	21	27	32
Hydraulic Fluid Flow Rate (L/Min)	23	23	31	37	45	57	69
Pressure (BAR)	200/220	200/220	200/220	200/220	200/220	200/220	200/220
Rev/min (RPM)	2.130	2.130	2.153	2.173	2.133	2.111	2.143
Centrifugal force (Kn)	9	15	15	15	27	27	27
Hertz	35	36	36	36	36	36	36
Back press. Max. (BAR)	15	15	15	15	15	15	15

PLURY	W1 40.0 TONS 5.0 - 6.5	W1 40.0 TONS 5.0 - 6.5	W1 40.0 TONS 5.0 - 6.5	W1 65.0 TONS 7.0 - 15.0	W1 65.0 TONS 7.0 - 15.0	W1 65.0 TONS 7.0 - 15.0	W1 95.0 TONS 8.0 - 22.0	W1 95.0 TONS 8.0 - 22.0	W1 95.0 TONS 8.0 - 22.0
	A (mm)	680	680	680	840	840	840	840	840
	B (mm)	540	540	540	615	615	615	670	670
	C (mm)	272	272	272	332	332	332	332	332
	D (mm)	395	395	395	515	515	515	515	515
	Weight (Kg)	190	190	190	330	330	330	340	340
	Engine (CC)	21	27	32	32	43	47	32	43
	Hydraulic Fluid Flow Rate (L/Min)	45	57	69	69	93	101	69	93
	Pressure (BAR)	200/220	200/220	200/220	200/220	200/220	200/220	200/220	200/220
Rev/min (RPM)	2.133	2.111	2.143	2.133	2.111	2.143	2.133	2.111	
Centrifugal force (Kn)	40	40	40	65	65	65	95	95	
Hertz	36	36	36	36	36	36	36	36	
Back press. Max. (BAR)	15	15	15	15	15	15	15	15	



PLURY W2

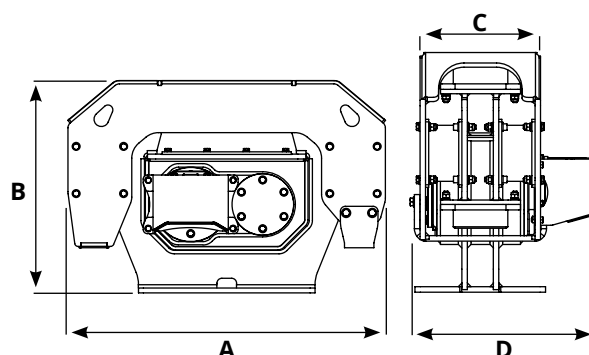
DOUBLE VIBRATING MASS PROPULSION SYSTEM



 vibrating mass

 directional force

Sinusoidal vibration, it vibrates vertically from top to bottom, concentrating the centrifugal force in the centre

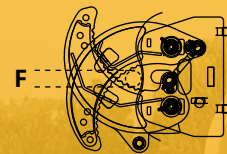
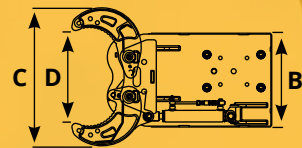
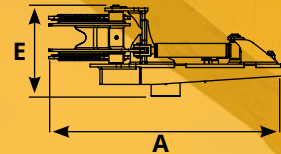
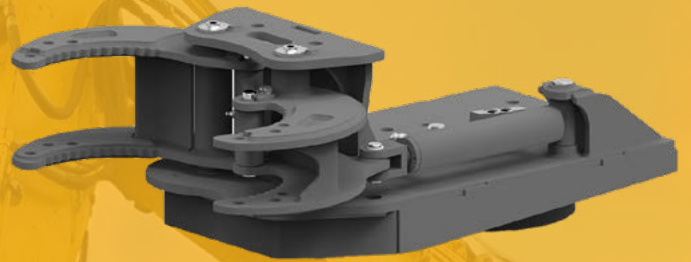


PLURY	W2 60.0 TONS 8.0 - 14.0	W2 60.0 TONS 8.0 - 14.0	W2 60.0 TONS 8.0 - 14.0	W2 80.0 TONS 10.0 - 15.0	W2 80.0 TONS 10.0 - 15.0	W2 80.0 TONS 10.0 - 15.0	W2 100.0 TONS 12.0 - 18.0	W2 100.0 TONS 12.0 - 18.0	W2 100.0 TONS 12.0 - 18.0
A (mm)	970	970	970	970	970	970	1030	1030	1030
B (mm)	650	650	650	650	650	650	735	735	735
C (mm)	330	330	330	330	330	330	395	395	395
D (mm)	490	490	490	490	490	490	560	560	560
Weight (Kg)	353	353	353	362	362	362	525	525	525
Engine (CC)	32	43	47	32	43	47	43	47	51
Hydraulic Fluid Flow Rate (L/Min)	69	93	101	69	93	101	93	100	110
Pressure (BAR)	200/220	200/220	200/220	200/220	200/220	200/220	200/220	200/220	200/220
Rev/min (RPM)	2.133	2.148	2.143	2.133	2.148	2.143	2.143	2.149	2.157
Centrifugal force (Kn)	60	60	60	80	80	80	100	100	100
Hertz	36	36	36	36	36	36	36	36	36
Back press. Max. (BAR)	15	15	15	15	15	15	15	15	15

PLURY	W2 120.0 TONS 14.0 - 20.0	W2 120.0 TONS 14.0 - 20.0	W2 120.0 TONS 14.0 - 20.0	W2 150.0 TONS 18.0 - 35.0	W2 180.0 TONS 20.0 - 40.0
A (mm)	1030	1030	1030	1220	1220
B (mm)	735	735	735	920	920
C (mm)	395	395	395	440	440
D (mm)	560	560	560	710	710
Weight (Kg)	533	533	533	827	837
Engine (CC)	43	47	51	63	63
Hydraulic Fluid Flow Rate (L/Min)	93	100	110	135	135
Pressure (BAR)	200/220	200/220	200/220	250/300	250/300
Rev/min (RPM)	2.143	2.149	2.157	2.143	2.143
Centrifugal force (Kn)	120	120	120	150	180
Hertz	36	36	36	36	36
Back press. Max. (BAR)	15	15	15	15	15

GRAPPLE

WOOD GRAPPLE WITH BELL



Model	A mm	B mm	C mm	D mm	E mm	F Ø mm	Kg.
GRAPPLE 1/4 ton	810	380	560	375	310	35	75
GRAPPLE 4/6.5 ton	1090	460	665	425	420	55	159
GRAPPLE 7/15 ton	1575	705	870	560	520	140	365
GRAPPLE 8/20 ton	1590	705	870	570	520	140	375
GRAPPLE 18/40 ton	1730	705	870	560	530	140	380

Hydraulic Fluid
Flow Rate (L/Min)

10

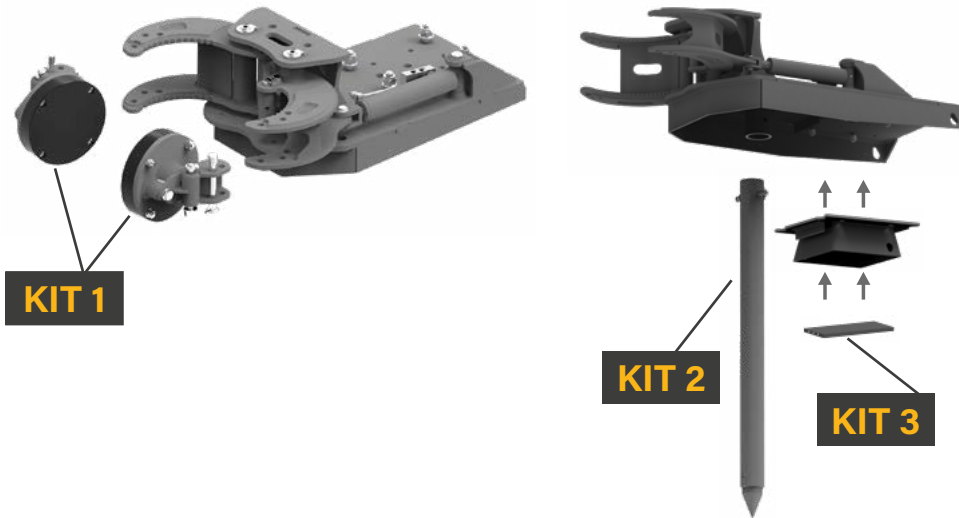
Pressure (BAR)

200

- › Designed for vibro-driving and extraction of wooden, concrete and steel poles
- › Suitable for the containment of landslides, docks, and embankments
- › Construction of vineyards, orchards and fences
- › A fundamental combination that is used in land maintenance and agriculture

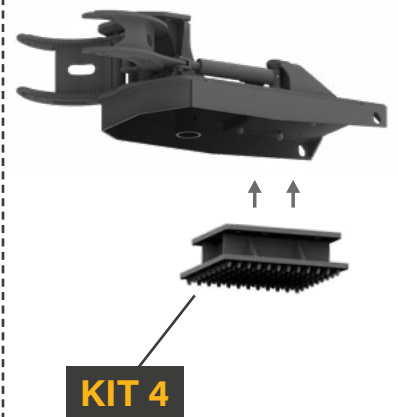
OPTIONAL GRAPPLE KIT

OPTIONAL CONCRETE-STEEL



- › Kit 1 Grapple accessory suitable for vibro-driving and extraction of concrete and steel poles
- › Kit 2 Pre-hole drill suitable for making a pre-hole in hard ground Suitable for vibro-driving concrete poles
- › Kit 3 Shock-absorbing rubber accessory suitable for vibrating concrete poles, avoiding damage to the pole itself

TOOTHED PLATE FOR GRAPPLE



- › Kit 4 Toothed plate mounted in place of the bell for vibratory driving of wooden piles of different diameters



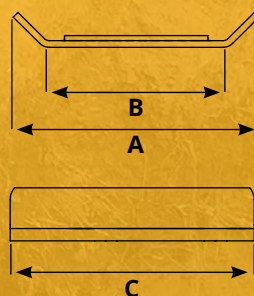






PLATE 1P

SINGLE-FOLD COMPACTION PLATE

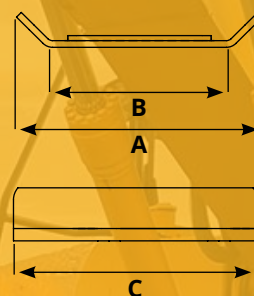


Model	A mm	B mm	C mm	Kg.
PLATE 300 1/4 ton	570	495	300	30
PLATE 400 4/6.5 ton	725	625	400	60
PLATE 550 7/15 ton	1050	945	550	111
PLATE 600 7/15 ton	1050	945	600	121
PLATE 700 7/15 ton	1050	945	700	141
PLATE 600 12/20 ton	1130	1025	600	160
PLATE 750 18/40 ton	1185	1185	750	220

- › Designed to compact all types of surfaces such as trenches, soils, slopes
- › It guarantees a compact, homogeneous, and stable base that lasts over time
- › Able to compact in very difficult positions

PLATE 2P

DUAL-FOLD COMPACTION PLATE

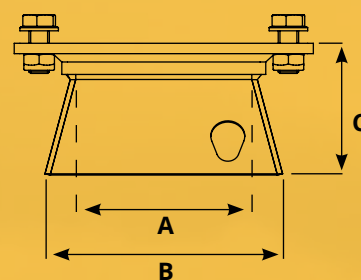


Model	A mm	B mm	C mm	Kg.
PLATE 300 1/4 ton	550	400	300	30
PLATE 400 1/4 ton	550	400	400	40
PLATE 590 1.5/4 ton	550	400	590	59
PLATE 690 1.5/4 ton	550	400	690	69
PLATE 400 4/6.5 ton	700	500	400	60
PLATE 500 4/6.5 ton	700	500	500	75
PLATE 690 4/6.5 ton	700	500	690	100
PLATE 790 4/6.5 ton	700	500	790	115
PLATE 890 4/6.5 ton	700	500	890	130
PLATE 550 7/15 ton	1030	820	550	111
PLATE 600 7/15 ton	1030	820	600	121
PLATE 700 7/15 ton	1030	820	700	141
PLATE 890 7/15 ton	1030	820	890	180
PLATE 990 7/15 ton	1030	820	990	200
PLATE 600 12/20 ton	1110	900	600	160
PLATE 700 12/20 ton	1110	900	700	185
PLATE 800 12/20 ton	1110	900	800	205
PLATE 750 18/40 ton	1270	1060	750	220
PLATE 850 18/40 ton	1270	1060	850	250

- › Designed to compact all types of surfaces such as trenches, soils, slopes
- › It guarantees a compact, homogeneous, and stable base that lasts over time
- › Able to compact in very difficult positions

BELL

POLE-CENTRING COLLAR



Model	A mm	B mm	C mm	Kg.
BELL 150 - 1/4 ton	150	200	125	12
BELL 200 - 1/4 ton	200	250	125	17
BELL 150 - 4/6.5 ton	150	200	105	11
BELL 200 - 4/6.5 ton	200	250	125	20
BELL 250 - 4/6.5 ton	250	300	145	24
BELL 150 - 7/40 ton	150	200	105	17
BELL 200 - 7/40 ton	200	250	105	20
BELL 250 - 7/40 ton	250	300	125	22
BELL 300 - 7/40 ton	300	350	180	37
BELL 350 - 7/40 ton	350	400	180	43

- › Designed for vibro-driving wooden, concrete and steel poles

T-DRILLING

PRE-DRILL BIT



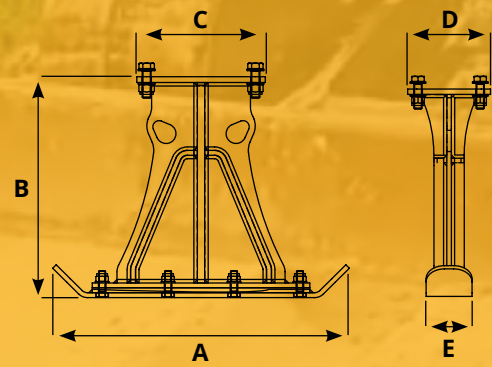
Model	A mm	B mm	Kg.
T-DRILLING + ADAPTER 1/6.5 ton	1110	76	29
T-DRILLING + ADAPTER 7/20 ton	1110	89	43
T-DRILLING + ADAPTER 18/40 ton	1130	101.6	51

- › Pre-drill bit suitable for making a pre-hole in hard ground
- › Suitable for vibro-driving concrete poles



T-PLATE

NARROW PLATE - SINGLE SLED



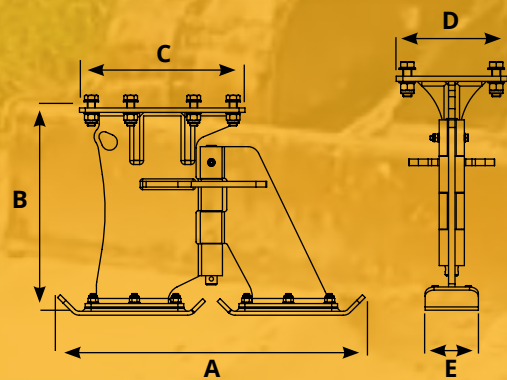
Model	A mm	B mm	C mm	D mm	E mm	Kg.
T-PLATE 100 1/4 ton	600	450	260	180	100	31
T-PLATE 150 1/4 ton	600	450	260	180	150	34
T-PLATE 120 4/6.5 ton	800	550	420	250	120	65
T-PLATE 150 4/6.5 ton	800	550	420	250	150	70
T-PLATE 200 4/6.5 ton	800	550	420	250	200	75
T-PLATE 135 7/40 ton	1050	700	540	360	135	130
T-PLATE 200 7/40 ton	1050	700	540	360	200	150

- › Ideal for compaction works on narrow trenches
- › It allows the plate to reach deep
- › Particularly suitable for fibre grounding and underground services



TWIN PLATE

NARROW PLATE - DOUBLE SLED



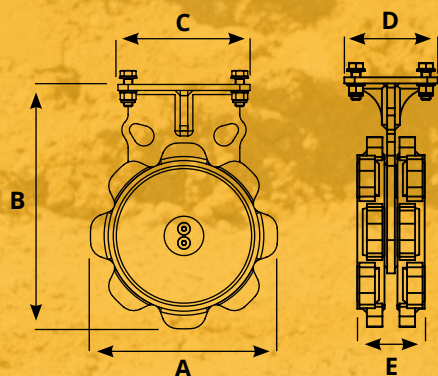
Model	A mm	B mm	C mm	D mm	E mm	Kg.
TWIN PLATE 100 1/4 ton	600	480	260	180	100	27
TWIN PLATE 150 1/4 ton	600	480	260	180	150	35
TWIN PLATE 120 4/6.5 ton	780	520	420	250	120	56
TWIN PLATE 150 4/6.5 ton	780	520	420	250	150	64
TWIN PLATE 200 4/6.5 ton	780	520	420	250	200	70
TWIN PLATE 135 7/40 ton	1100	600	540	360	135	120
TWIN PLATE 200 7/40 ton	1100	600	540	360	200	140

- › Ideal for compaction works on narrow and curved trenches
- › It allows the plate to reach deep
- › Particularly suitable for fibre grounding and underground services



ONE WHEEL

SINGLE WHEEL



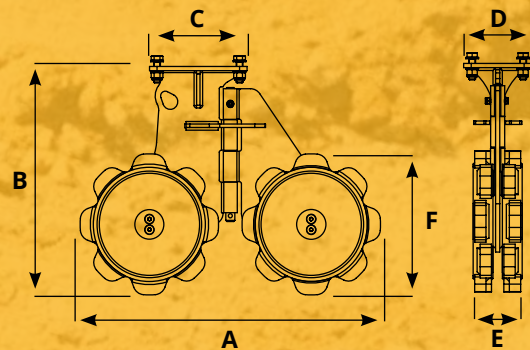
Model	A mm	B mm	C mm	D mm	E mm	Kg.
ONE WHEEL 130 1/4.5 ton	370	485	260	180	130	46
ONE WHEEL 200 1/4.5 ton	370	485	260	180	200	58
ONE WHEEL 200 4/12 ton	480	600	420	250	200	95
ONE WHEEL 300 4/12 ton	480	600	420	250	300	110
ONE WHEEL 270 8/40 ton	710	830	540	360	270	212
ONE WHEEL 350 8/40 ton	710	830	540	360	350	243

- › Ideal for compaction works on narrow trenches
- › It allows the wheel to reach deep
- › Particularly suitable for fibre grounding and underground services



TWIN WHEEL

DOUBLE WHEEL

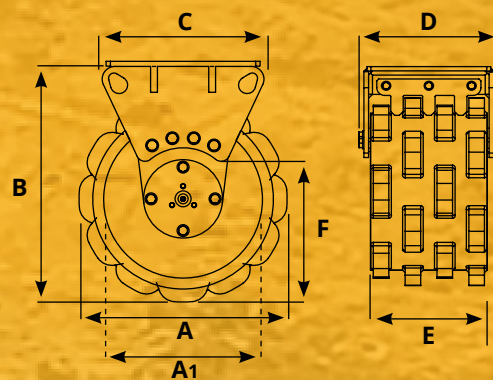


Model	A mm	B mm	C mm	D mm	E mm	F mm	Kg.
TWIN WHEEL 130 1/4.5 ton	805	596	260	370	130	370	86
TWIN WHEEL 200 1/4.5 ton	805	596	260	370	200	370	115
TWIN WHEEL 200 4/12 ton	1065	715	420	250	200	480	185
TWIN WHEEL 300 4/12 ton	1065	715	420	250	300	480	230
TWIN WHEEL 270 8/40 ton	1540	890	540	360	270	710	408
TWIN WHEEL 3508/40 ton	1540	890	540	360	350	710	442

- › Ideal for compaction works on narrow and curved trenches
- › It allows the plate to reach deep
- › Particularly suitable for fibre grounding and underground services

STORM WHEEL

WHEEL COMPACTOR



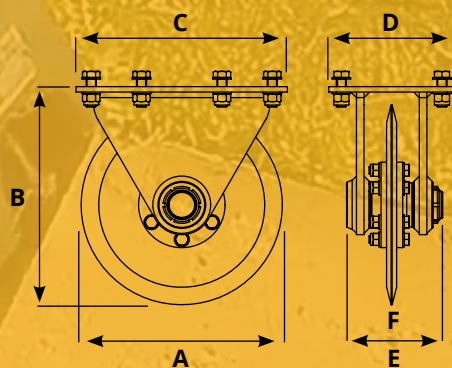
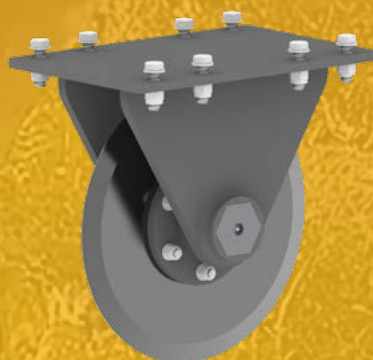
Model	A mm	A1 mm	B mm	C mm	D mm	E mm	F mm	Kg.
STORM 40 L200 1/4.5 ton	505	400	595	420	260	200	341	115
STORM 40 L300 1/4.5 ton	505	400	595	360	360	300	341	140
STORM 40 L400 1/4.5 ton	505	400	595	280	460	400	341	165
STORM 40 L500 1/4.5 ton	505	400	595	280	560	500	341	191
STORM 50 L300 4/12 ton	615	500	700	430	370	300	393	206
STORM 50 L400 4/12 ton	615	500	700	430	470	400	393	235
STORM 50 L500 4/12 ton	615	500	700	430	570	500	393	272
STORM 50 L600 4/12 ton	615	500	700	430	670	600	393	302
STORM 65 L400 8/40 ton	790	650	895	540	485	400	527	363
STORM 65 L600 8/40 ton	790	650	895	540	685	600	527	458
STORM 65 L800 8/40 ton	790	650	895	540	885	800	527	555
STORM 90 L600 18/40 ton	1045	900	1170	600	700	600	728	662
STORM 90 L800 18/40 ton	1045	900	1170	600	900	800	728	775
STORM 90 L1000 18/40 ton	1045	900	1170	600	1100	1000	728	895

- › ideal for compaction works
- › Ideal for compacting the surface and the backfill material in the excavation
- › The equipment ensures a solid, homogeneous and long-lasting surface



ASPHALT CUTTER

ASPHALT CUTTER



Model	A mm	B mm	C mm	D mm	E mm	F mm	Kg.	Prof. taglio mm
ASPHALT CUTTER 400 4/12 ton	400	440	420	250	115	12	56	120
ASPHALT CUTTER 500 8/40 ton	500	540	540	360	140	12	107	170

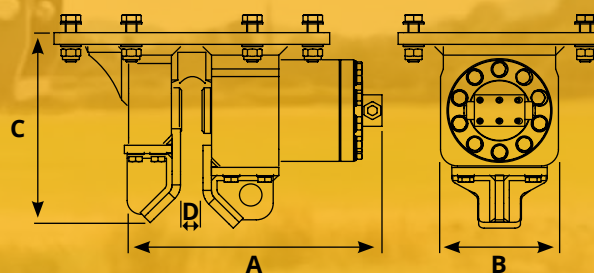
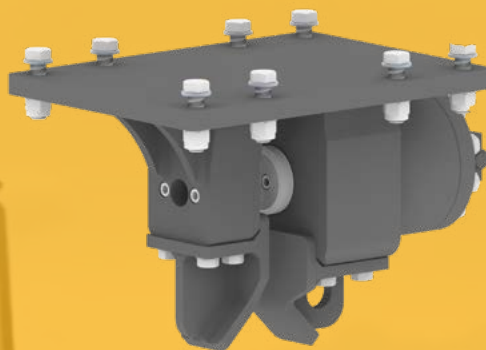
- › Ideal for cutting asphalt before digging a trench





SHEET PILE CLAMP

SHEET PILE CLAMP



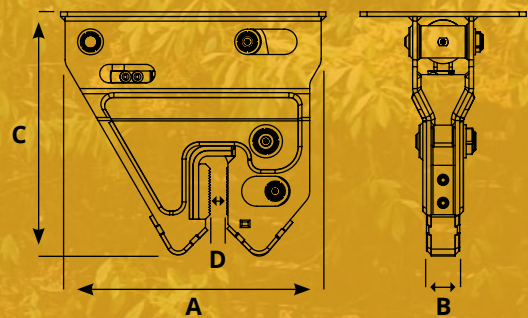
Model	A mm	B mm	C mm	D mm	Press. Bar	Force max press	Kg.
SHEET PILE CLAMP 25 GRIP	455	210	350	32	200	23 Ton	170
					250	28 Ton	

- › Clamp suitable for vibrodriving and extracting sheet piles in different types of soil
- › Ideal for vibrating steel cages immersed in concrete



H-BEAM CLAMP

H-BEAM CLAMP

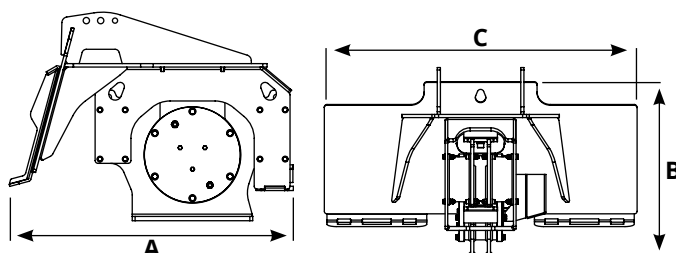


Model	A mm	B mm	C mm	D mm	Press. Bar	Force max press	Kg.
H-BEAM CLAMP 20 GRIP	580	72	430	35	200	20 Ton	95
					250	23 Ton	

- › Clamp suitable for vibratory driving and extraction of H-beams in various types of soil

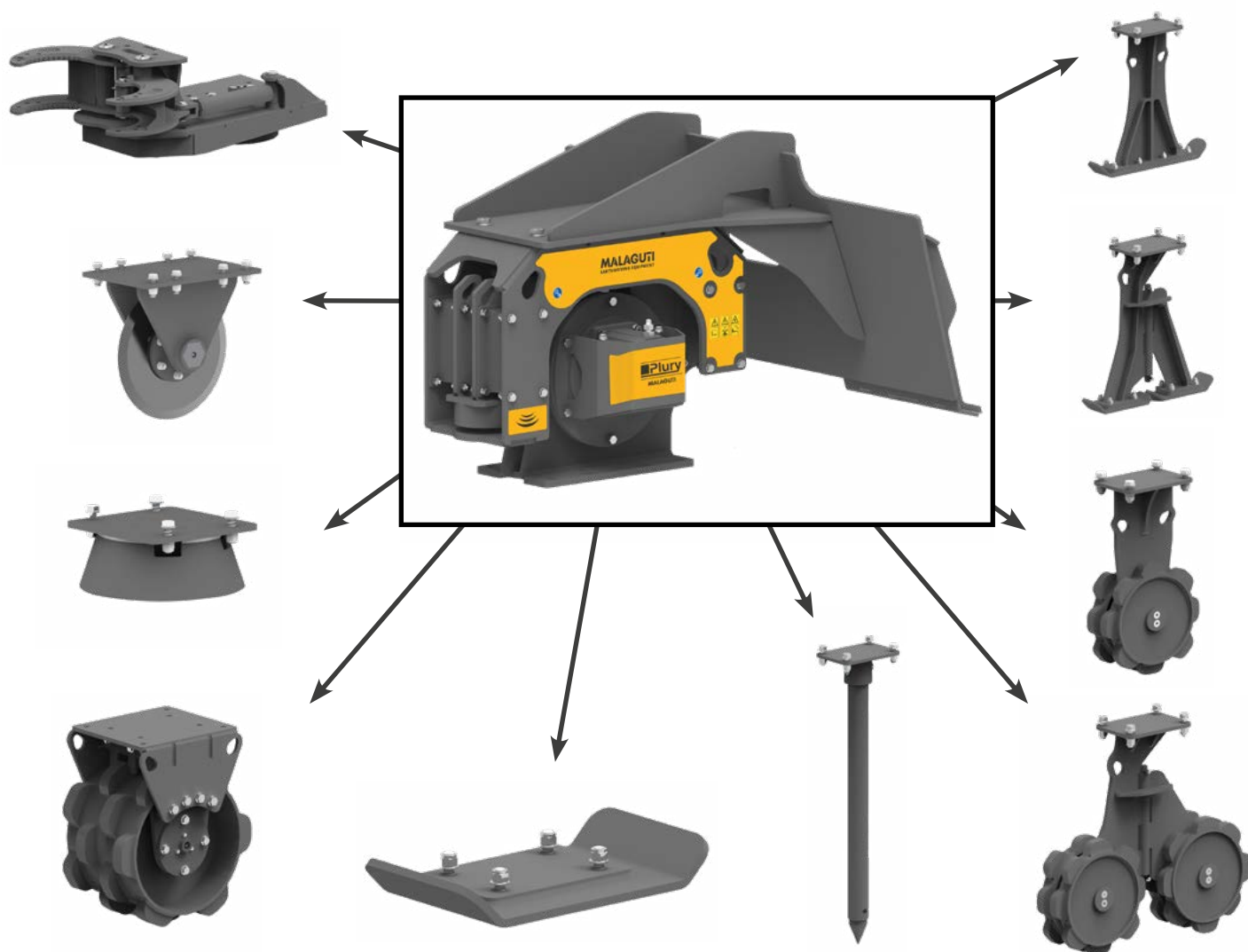


SINGLE FRONT ATTACHMENT FOR PLURY

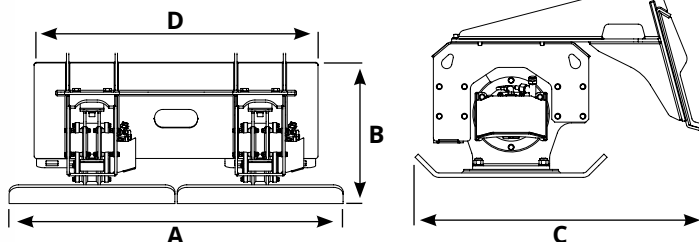


- Through the use of the Plury front attachment, it is possible to use the vibration drive on machines such as skid loader, mini skid loader, mini wheel loader

Model	A mm	B mm	C mm	Kg.
FRONT-MOUNTED ATTACHMENT PLURY 1.5 - 4.5 ton	796	566	1190	90
FRONT-MOUNTED ATTACHMENT PLURY 4 - 12 ton	847	673	1190	115
FRONT-MOUNTED ATTACHMENT PLURY 8 - 16 ton	1005	805	1190	150

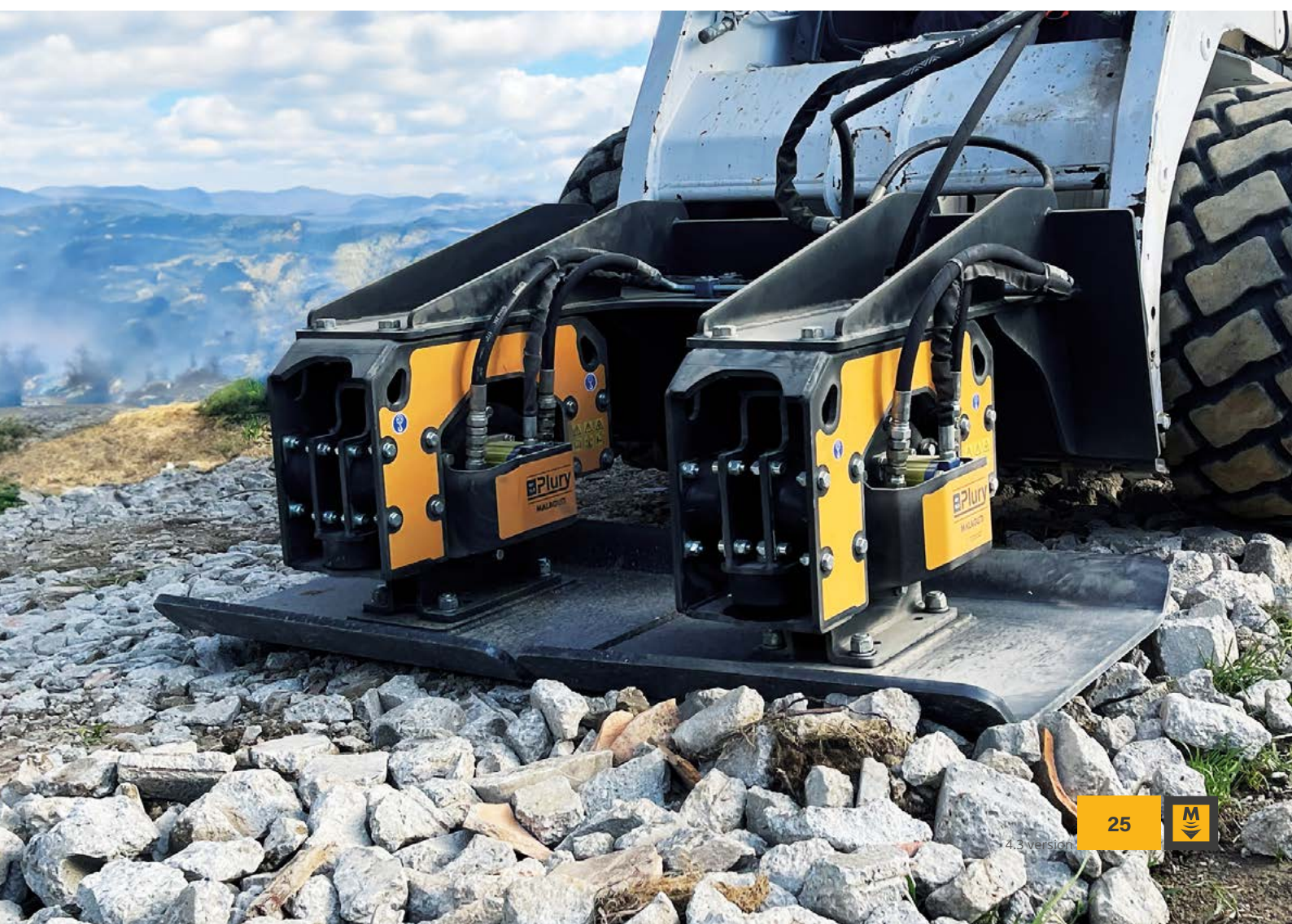


FRONT-MOUNTED DOUBLE COMPACTION PLATE



- › The front mounted compaction plate allows you to compact a large area faster
- › Suitable for compacting yards, cycle paths, etc.

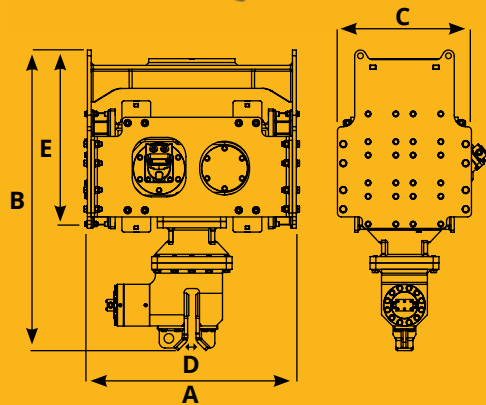
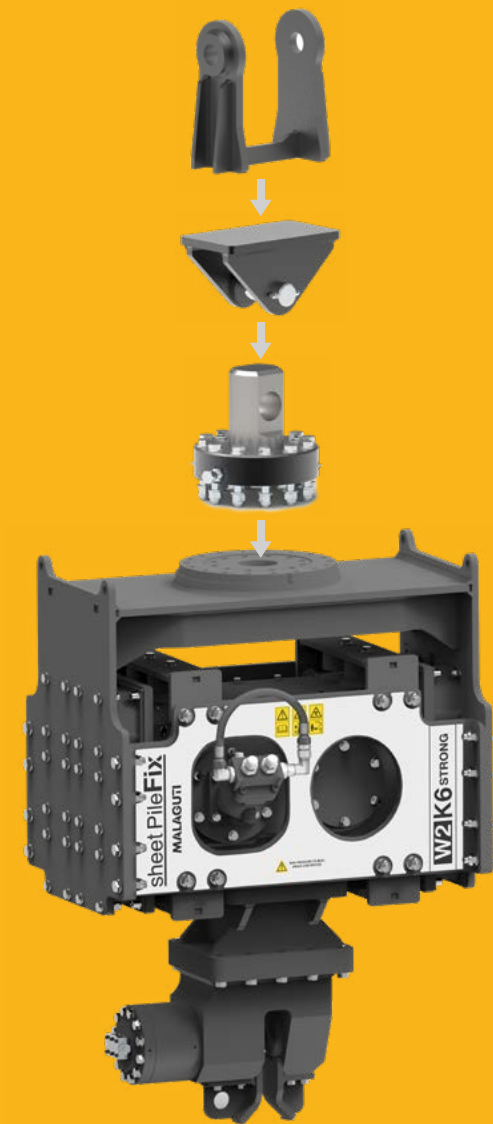
Model	A mm	B mm	C mm	D mm	Kg.
PLURY KN 9+9 120	1200	525	990	1190	400
PLURY KN 9+9 140	1400	525	990	1190	420
PLURY KN 15+15 140	1400	630	1000	1190	485
PLURY KN 15+15 160	1600	630	1000	1190	505
PLURY KN 27+27 160	1600	730	1150	1190	790
PLURY KN 27+27 180	1800	730	1150	1190	820
PLURY KN 40+40 180	1800	730	1150	1190	825
PLURY KN 40+40 200	2000	730	1150	1190	885
PLURY KN 65+65 200	2000	840	1250	1190	1290
PLURY KN 65+65 220	2200	840	1250	1190	1330



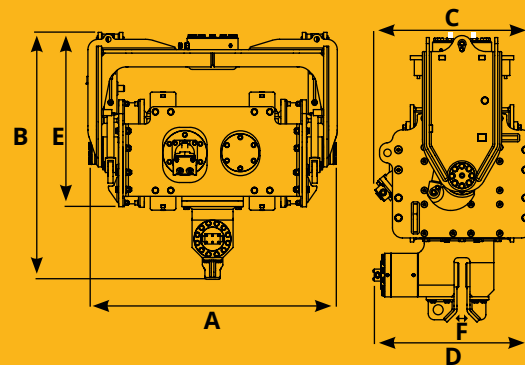
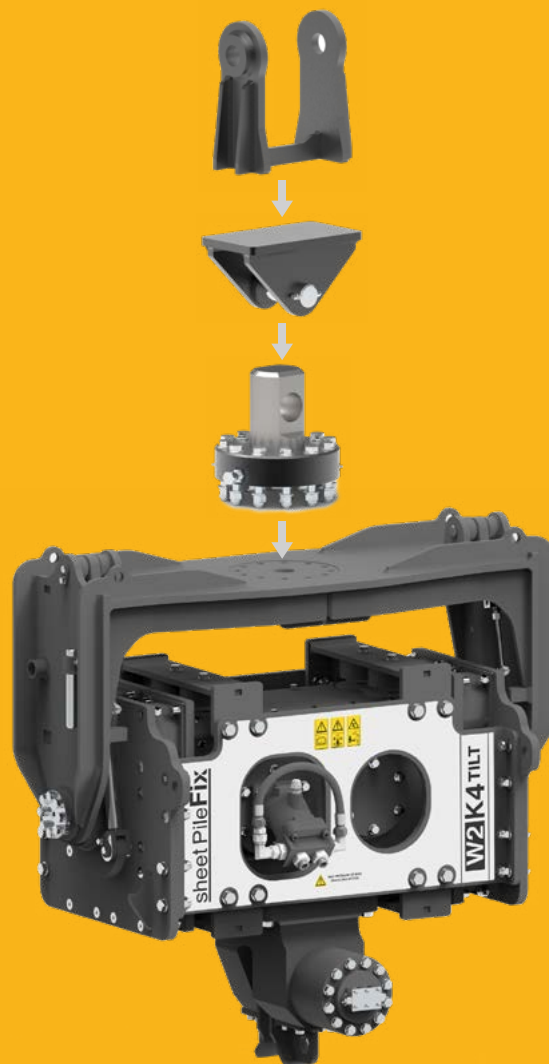


VIBRODRIVER FOR SHEET PILES

**Clamp suitable
for vibrodriving
and extracting
sheet piles in different types
of soil.**



SHEET PILEFIX	W2 K4 STRONG	W2 K6 STRONG
A (mm)	1210	1210
B (mm)	1360	1360
C (mm)	780	780
D (mm)	240	240
E (mm)	940	940
F (mm)	36	36
Weight (Kg)	1460	1480
Engine (CC)	63	63
Hydraulic Fluid Flow Rate (L/Min)	145	145
Pressure (BAR)	200/300	200/300
Vibration Rate (RPM)	2.300	2.300
Centrifugal force (Kn)	250	360
Kilogrammeters (KGM)	4,3	6,2
Hertz	38	38



SHEET PILEFIX	W2 K4 TILT	W2 K6 TILT
A (mm)	1460	1460
B (mm)	1260	1260
C (mm)	790	790
D (mm)	800	800
E (mm)	1030	1030
F (mm)	36	36
G (mm)	240	240
Weight (Kg)	1660	1680
Engine (CC)	63	63
Hydraulic Fluid Flow Rate (L/Min)	145	145
Pressure (BAR)	200/300	200/300
Vibration Rate (RPM)	2.300	2.302
Centrifugal force (Kn)	250	360
Kilogrammeters (KGM)	4,3	6,2
Hertz	38	38







TORNADO

STUMP GRINDER

Direct transmission

The direct drive system with piston motor delivers the highest cutting speed and thus optimal productivity and efficiency

Tungsten carbide teeth

Extremely resistant tungsten teeth

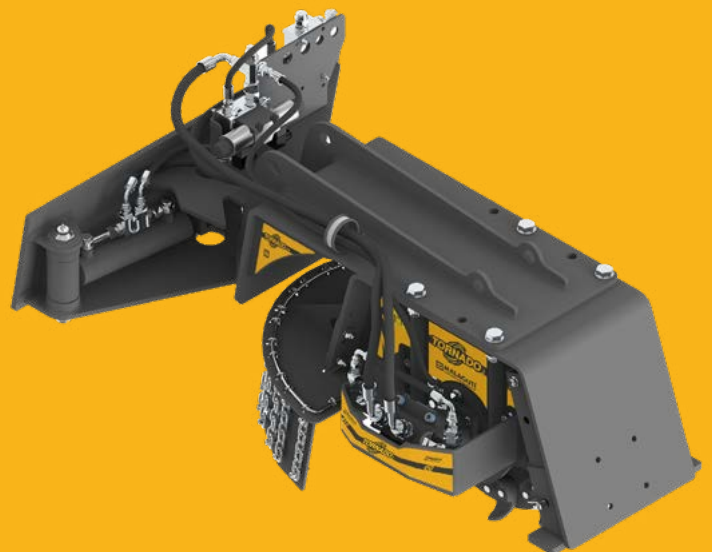
Suitable on difficult gradients

Effective even on difficult gradients, ideal for grinding even stumps with problematical access

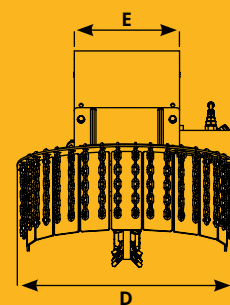
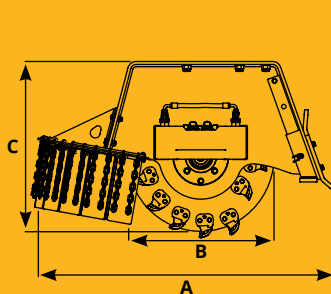
Quick and effective

The shredding wheel swings from side to side and gradually eats into the stump until it has been eliminated

TORNADO

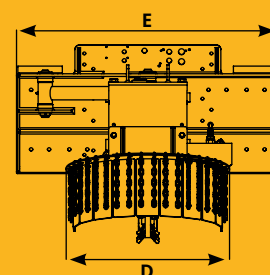
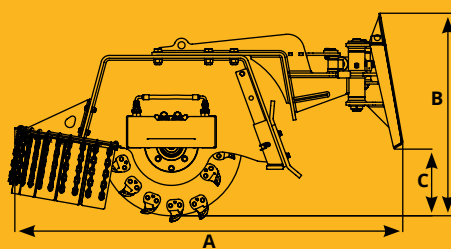


STUMP GRINDER for EXCAVATOR and BACKHOE



TORNADO 2				Tornado 2 350			Tornado 2 450			Tornado 2 600			Tornado 2 600 PLUS		
TONS				1.5 - 4.0			4.0 - 9.0			9.0 - 13.0			13.0 - 18.0		
A (mm)				830			970			1230			1230		
B (Ømm)				350			450			600			600		
C (mm)				430			540			710			710		
D (mm)				610			610			730			730		
E (mm)				350			350			350			350		
Engine (CC)	Hydraulic Fluid Flow Rate (L/Min)	Rev/min (RPM)	12	16	1330	25	32	1280	45	56	1290	80	110	1375	
			18	24	1330	28	36	1280	50	64	1300				
			25	32	1280	32	42	1315	63	80	1300				
			28	36	1280										
			32	42	1315										
Weight (Kg)				116			170			278			278		
Teeth number				16			20			28			28		
Pressure (BAR)				250			250			250			250		
Back press. Max. (BAR)				15			15			15			15		

SWINGING FRONT STUMP GRINDER for SKID LOADER and WHEEL LOADER

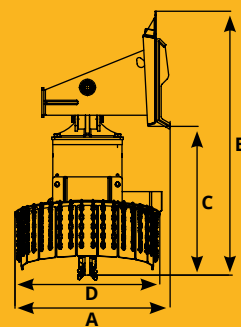
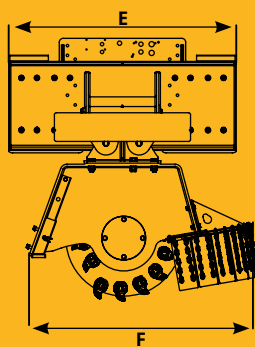


TORNADO 2F			Tornado 2F 350			Tornado 2F 450			Tornado 2F 600			Tornado 2F 600 PLUS		
A (mm)			1435			1490			1650			1650		
B (Ømm)			595			695			860			860		
C (mm)			20			120			285			285		
D (mm)			610			610			730			730		
E (mm)			1170			1170			1170			1170		
Engine (cc)	Hydraulic Fluid Flow Rate (L/Min)	Rev/min (RPM)	12	16	1330	25	32	1280	45	56	1290	80	110	1375
			18	24	1330	28	36	1280	50	64	1300			
			25	32	1280	32	42	1315	63	80	1300			
			28	36	1280									
			32	42	1315									
Weight (Kg)			231			285			393			393		
Teeth number			16			20			28			28		
Pressure (BAR)			250			250			250			250		
Backpress. Max. (BAR)			15			15			15			15		



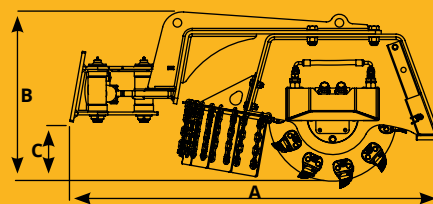
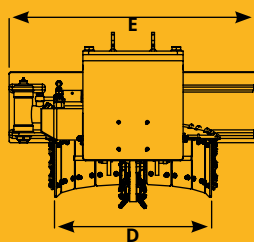


TRANSVERSE FRONT STUMP GRINDER for SKID LOADER and WHEEL LOADER



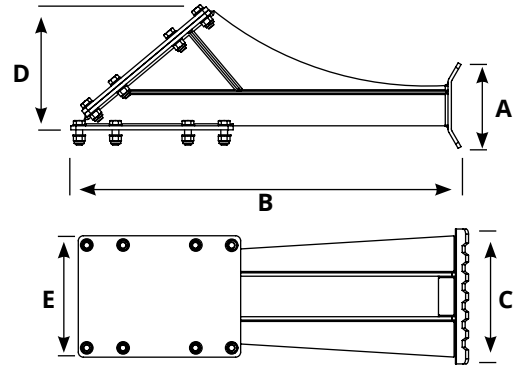
TORNADO 2FT			Tornado 2FT 350			Tornado 2FT 450			Tornado 2FT 600			Tornado 2FT 600 PLUS		
A (mm)			720			720			780			780		
B (Ømm)			1060			1160			1325			1325		
C (mm)			480			570			750			750		
D (mm)			610			610			730			730		
E (mm)			1170			1170			1170			1170		
F (mm)			760			900			1150			1150		
Engine (CC)	Hydraulic Fluid Flow Rate (L/Min)	Rev/min (RPM)	12	16	1330	25	32	1280	45	56	1290	80	110	1375
			18	24	1330	28	36	1280	50	64	1300			
			25	32	1280	32	42	1315	63	80	1300			
			28	36	1280									
			32	42	1315									
Weight (Kg)			246			300			408			408		
Teeth number			16			20			28			28		
Pressure (BAR)			250			250			250			250		
Backpress. Max. (BAR)			15			15			15			15		

SWINGING FRONT STUMP GRINDER for MINI SKID LOADER



TORNADO 2FM			Tornado 2FM 350			Tornado 2FM 450		
A (mm)			1210			1300		
B (Ømm)			490			590		
C (mm)			100			200		
D (mm)			610			610		
E (mm)			865			865		
Engine (CC)	Hydraulic Fluid Flow Rate (L/Min)	Rev/min (RPM)	12	16	1330	25	32	1280
			18	24	1330	28	36	1280
			25	32	1280	32	42	1315
			28	36	1280			
			32	42	1315			
Weight (Kg)			166			220		
Teeth number			16			20		
Pressure (BAR)			250			250		
Backpress. Max. (BAR)			15			15		

FOOT FOR TORNADO



- › The foot mounted on the Tornado is essential as support for maneuvering with the spider excavator

Model	A mm	B mm	C mm	D mm	Kg.	Model
TORNADO SUPPORT FOOT	254	1155	400	365	100	TORNADO 600 TORNADO 600 PLUS







 **VORTEX**

AUGER

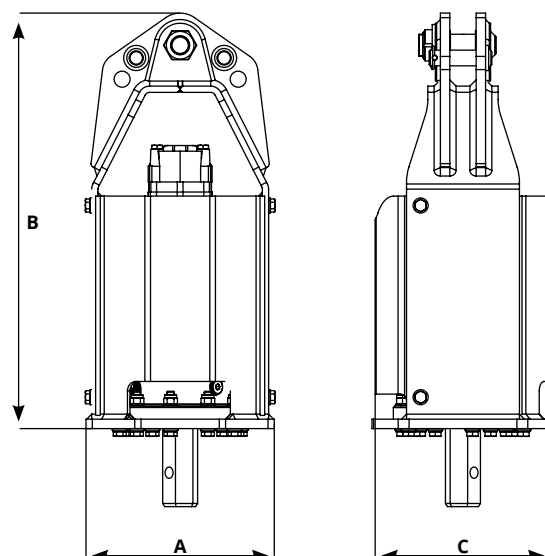
MULTIFUNCTION

Auger Highly versatile

The drill can be equipped with different types of tips and extension cords that allow to carry out various jobs, from the drilling of the ground, until the crushing of roots and tree stumps



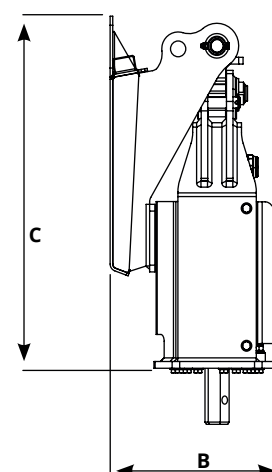
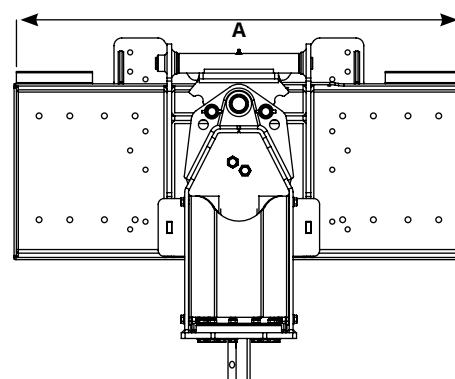
VORTEX 2



Tons	1.0 - 1.8	1.8 - 2.2	2.0 - 3.0	3.0 - 4.5	4.0 - 6.0	6.0 - 7.5	7.0 - 10.0	10.0 - 15.0	15.0 - 20.0
MODEL	V1	V2	V3	V4	V5	V6	V7	V8	V9
A (mm)	235	235	235	300	300	360	360	410	410
B (mm)	475	475	475	660	660	780	780	950	950
C (mm)	230	230	230	290	290	350	350	430	430
WRENCH	50	50	50	50	50	70	70	70	70
Without coupling weight Kg	59	62	62	100	105	180	180	260	283
Flow rate Min/Max (L/1')	20-30	25-40	30-50	40-60	50-70	60-80	80-90	90-120	110-150
Rev/min (RPM)	66	66	51	46	43	37	28	37	36
Pressure Bar	220	220	220	220	220	220	220	240	280
Torque Max. N/m	1.200	1.600	2.500	3.500	4.500	6.200	8.000	10.000	15.000
Drainage to tank	Suggested	Suggested	Suggested	Suggested	Suggested	Suggested	Suggested	Suggested	Mandatory



VORTEX 2F

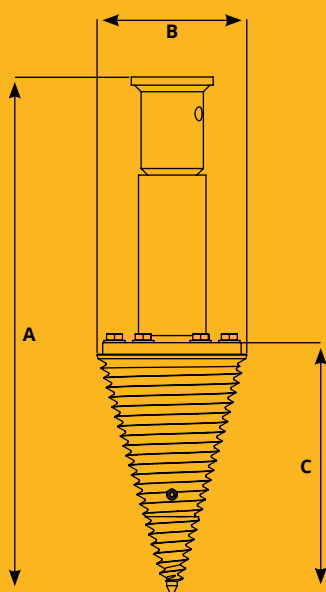


MODEL	V1	V2	V3	V4	V5
A (mm)	1170	1170	1170	1170	1170
B (mm)	356	356	356	384	384
C (mm)	593	593	593	780	780
WRENCH	50	50	50	50	50
Without coupling weight Kg	134	137	137	175	180
Flow rate Min/Max (L/1')	20-30	25-40	30-50	40-60	50-70
Rev/min (RPM)	66	66	51	46	43
Pressure Bar	220	220	220	220	220
Torque Max. N/m	1.200	1.600	2.500	3.500	4.500
Drainage to tank	Suggested	Suggested	Suggested	Suggested	Suggested



LOG SPLITTER CONICAL BIT

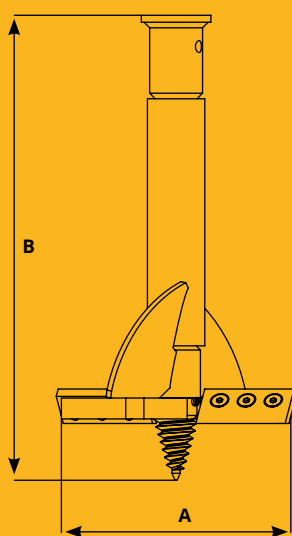
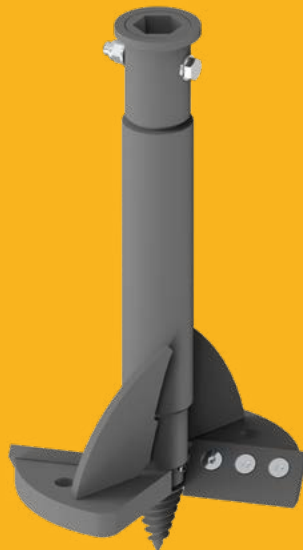
LOG SPLITTER CONICAL BIT



	50	70
MODEL	V1 - V2 - V3 V4 - V5	V6 - V7 - V8 V9
A (mm)	550	775
B (mm)	170	220
C (mm)	305	390
Kg	23	48

STUMP GRINDER BIT

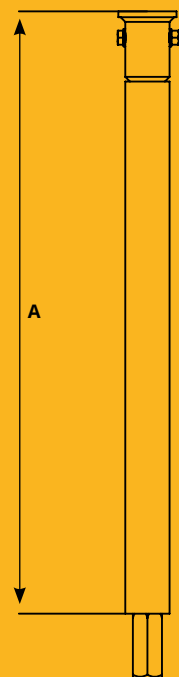
STUMP GRINDER BIT



	50	70
MODEL	V1 - V2 - V3 V4 - V5	V6 - V7 - V8 V9
A (mm)	330	330
B (mm)	670	700
Kg	29	33

BIT SHAFT EXTENSIONS

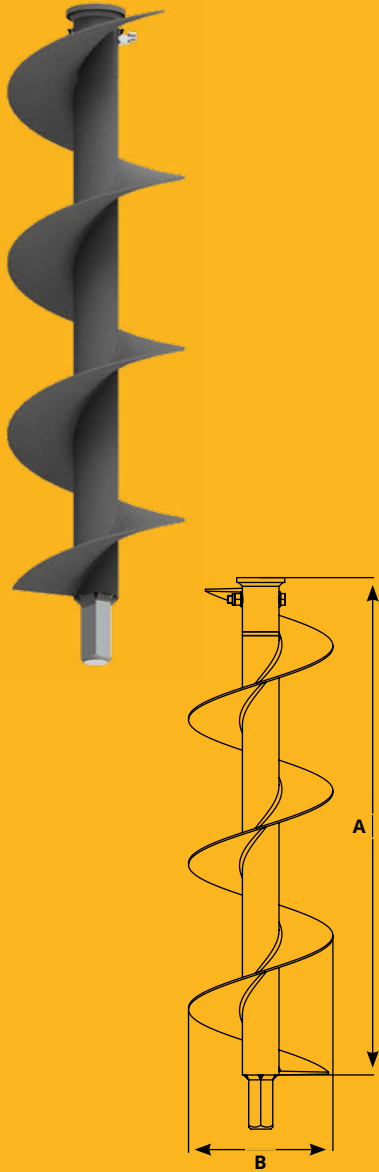
EXTENSIONS WITHOUT
SPIRAL FOR BITS



	50	70
MODEL	V1 - V2 - V3 V4 - V5	V6 - V7 - V8 V9
1000 (mm)	✓	✓
1500 (mm)	✓	✓
2000 (mm)	✓	✓

BIT EXTENSIONS WITH SPIRAL

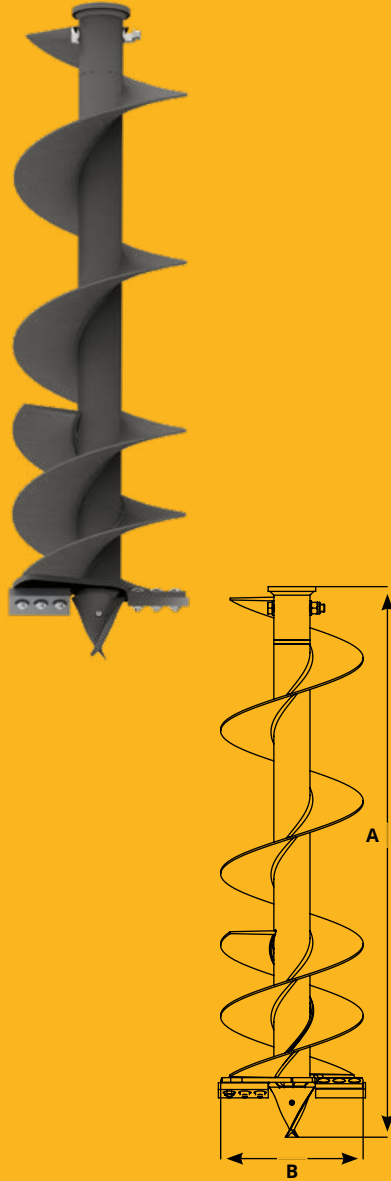
EXTENSIONS WITH SPIRAL FOR BITS



MODEL	V1 - V2 - V3 V4 - V5	V6 - V7 - V8 V9
	 50	 70
SIZE	(A) 1000mm	(A) 2000mm
(B) 100 (mm)	✓	✓
(B) 150 (mm)	✓	✓
(B) 200 (mm)	✓	✓
(B) 250 (mm)	✓	✓
(B) 300 (mm)	✓	✓
(B) 350 (mm)	✓	✓
(B) 400 (mm)	✓	✓
(B) 450 (mm)	✓	✓
(B) 500 (mm)	✓	✓
(B) 600 (mm)	✓	✓

LAND BIT

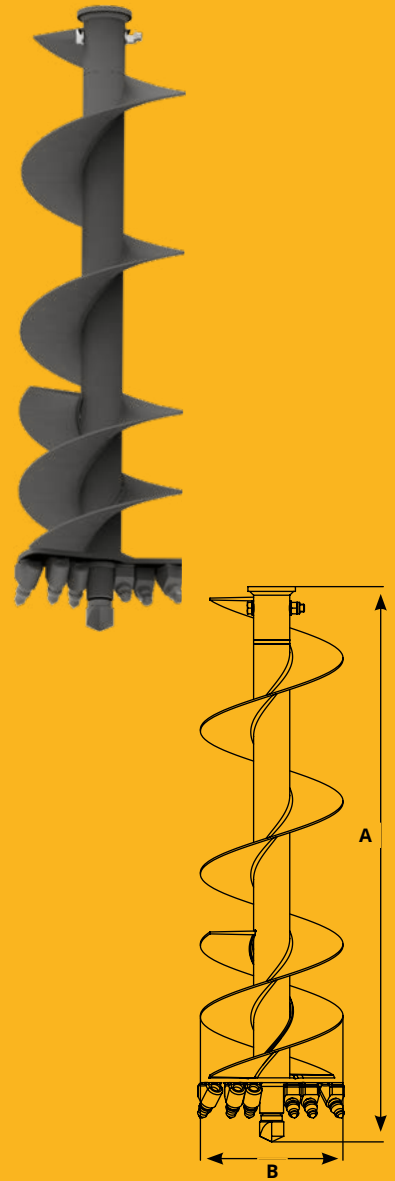
LAND BIT



MODEL	V1 - V2 - V3 V4 - V5	V6 - V7 - V8 V9
	 50	 70
SIZE	(A) 1000mm	(A) 2000mm
(B) 100 (mm)	✓	✓
(B) 150 (mm)	✓	✓
(B) 200 (mm)	✓	✓
(B) 250 (mm)	✓	✓
(B) 300 (mm)	✓	✓
(B) 350 (mm)	✓	✓
(B) 400 (mm)	✓	✓
(B) 450 (mm)	✓	✓
(B) 500 (mm)	✓	✓
(B) 600 (mm)	✓	✓

ROCK BIT

ROCK BIT



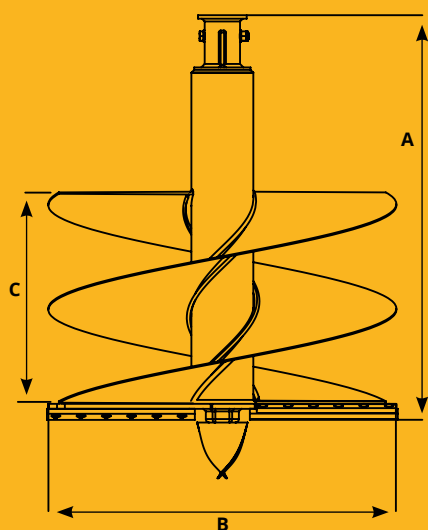
MODEL	V1 - V2 - V3 V4 - V5	V6 - V7 - V8 V9
	 50	 70
SIZE	(A) 1000mm	(A) 2000mm
(B) 100 (mm)	✓	✓
(B) 150 (mm)	✓	✓
(B) 200 (mm)	✓	✓
(B) 250 (mm)	✓	✓
(B) 300 (mm)	✓	✓
(B) 350 (mm)	✓	✓
(B) 400 (mm)	✓	✓
(B) 450 (mm)	✓	✓
(B) 500 (mm)	✓	✓
(B) 600 (mm)	✓	✓





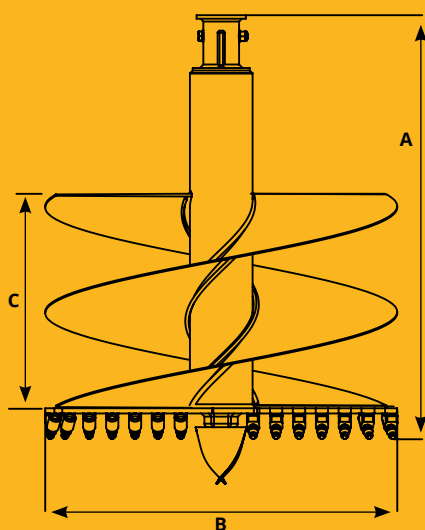
LAND BIT EXTRA

LAND BIT EXTRA



ROCK BIT EXTRA

ROCK BIT EXTRA



SINGLE PIN ATTACHMENT

SINGLE PIN ATTACHMENT



MODEL	V1 - V2 - V3 V4 - V5	V6 - V7 - V8 V9
	50	70
SIZE	(A) 1000mm	(A) 1000mm
(B) 800 (mm) (C) 600 (mm)	✓	✓
(B) 1000 (mm) (C) 600 (mm)	✓	✓

MODEL	V1 - V2 - V3 V4 - V5	V6 - V7 - V8 V9
	50	70
SIZE	(A) 1000mm	(A) 1000mm
(B) 800 (mm) (C) 600 (mm)	✓	✓
(B) 1000 (mm) (C) 600 (mm)	✓	✓

MODEL	V1 - V2 - V3 V4 - V5	V6 - V7 - V8 V9
Kg	15	40

DOUBLE JOINT
ATTACHMENT

DOUBLE JOINT ATTACHMENT



HORIZONTAL
ATTACHMENT

HORIZONTAL
ATTACHMENT



RIGID
ATTACHMENT

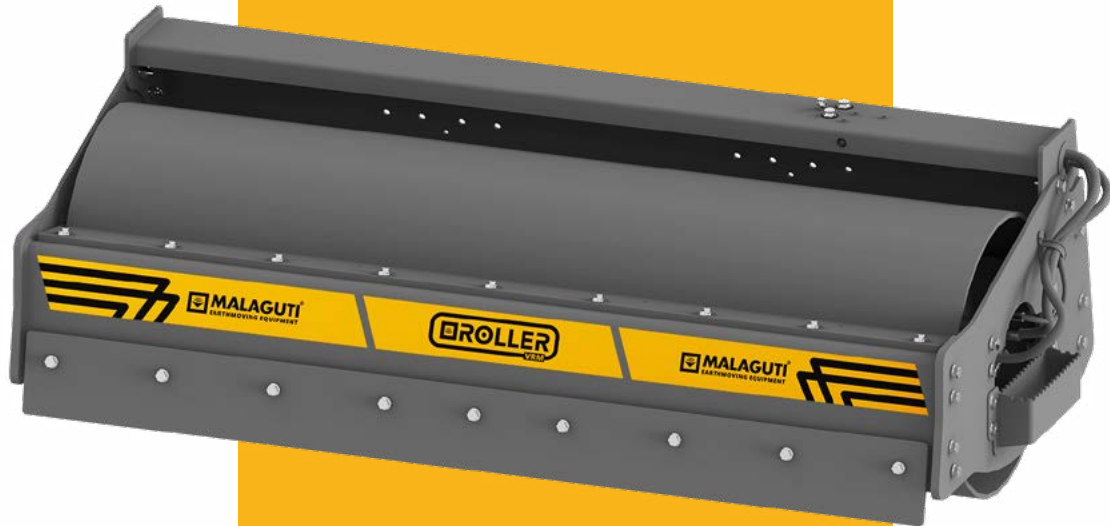
RIGID ATTACHMENT



MODEL	V1	V2 V3	V4 V5	V6	V7 V8 V9
Kg	25	26	35	65	86

MODEL	V1	V2 V3	V4 V5	V6	V7 V8 V9
Kg	31	32	40	75	96

MODEL	V1	V2 V3	V4 V5	V6	V7 V8 V9
Kg	15	16	25	33	55



VIBRATING ROLLER COMPACTOR

Great compaction force

suitable for road works and construction of pavings and cycle paths, it guarantees a solid and homogeneous base

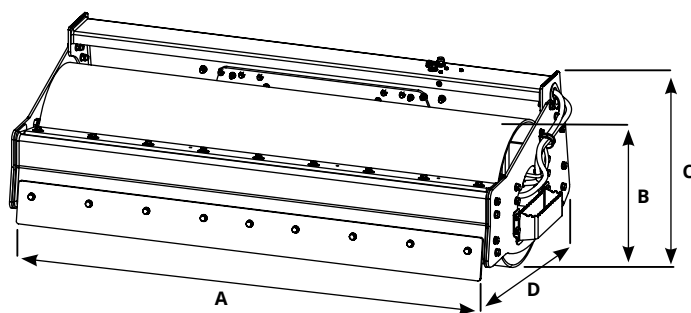
Available in five widths

the vibrating single roller is available in five widths and includes front attachment



ROLLER VRM

SMOOTH DRUM



MODEL	VRM120	VRM140	VRM160	VRM180	VRM200
A (mm)	1200	1400	1600	1800	2000
B (mm)	560	560	610	610	610
C (mm)	605	605	700	700	700
D (mm)	860	860	970	970	970
Without coupling weight Kg	420	460	750	810	880
Pressure MIN. / MAX. (BAR)	180 / 220	180 / 220	180 / 220	180 / 220	180 / 220
Centrifugal force (kN) 2.000	6	7	8	8	11
Centrifugal force (kN) 2.500	9	11	12	13	17

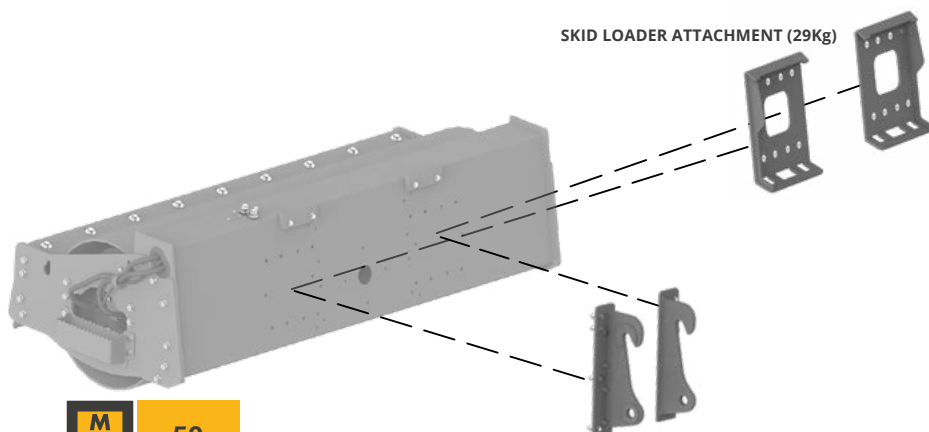
NO FLOW CONTROL VALVE

Engine (CC)	11	14	17	22	11	14	17	22	17	22	26	30	17	22	26	30	17	22	26	30
Hydraulic Fluid Flow Rate (L/Min)	25 30	31 39	38 47	49 61	25 30	31 39	38 47	49 61	38 47	49 61	58 72	67 83	38 47	49 61	58 72	67 83	38 47	49 61	58 72	67 83
Rev/min (RPM)	$\frac{2000}{2500}$				$\frac{2000}{2500}$				$\frac{2000}{2500}$				$\frac{2000}{2500}$				$\frac{2000}{2500}$			
Vibration frequency (HERTZ)	$\frac{33}{42}$				$\frac{33}{42}$				$\frac{33}{42}$				$\frac{33}{42}$				$\frac{33}{42}$			

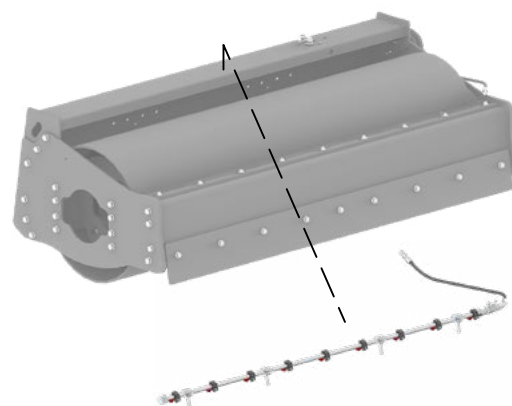
YES FLOW CONTROL VALVE

Engine (CC)	11				11				17				17				17			
Hydraulic Fluid Flow Rate (L/Min)	27				27				41				41				41			
Rev/min (RPM)	2200				2200				2200				2200				2200			
Vibration frequency (HERTZ)	37				37				37				37				37			
Centrifugal force (kN)	7				9				10				11				14			

SKID LOADER ATTACHMENT (29Kg)



WHEEL LOADER ATTACHMENT (31Kg)



NOZZLE BAR KIT

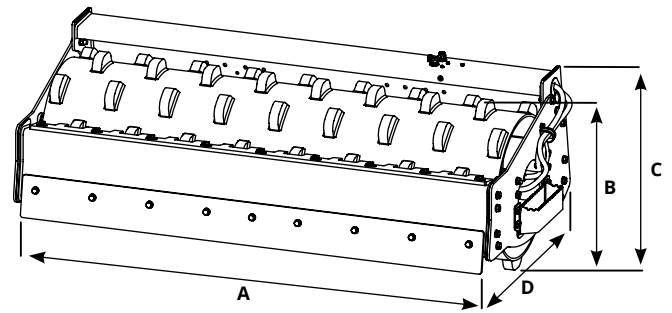
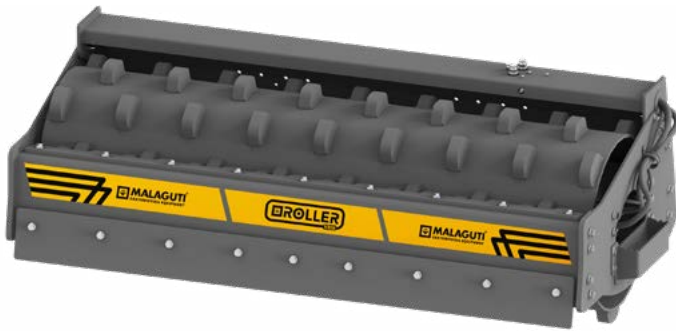


50

4.3 version

ROLLER VRM MF

PADFOOT DRUM



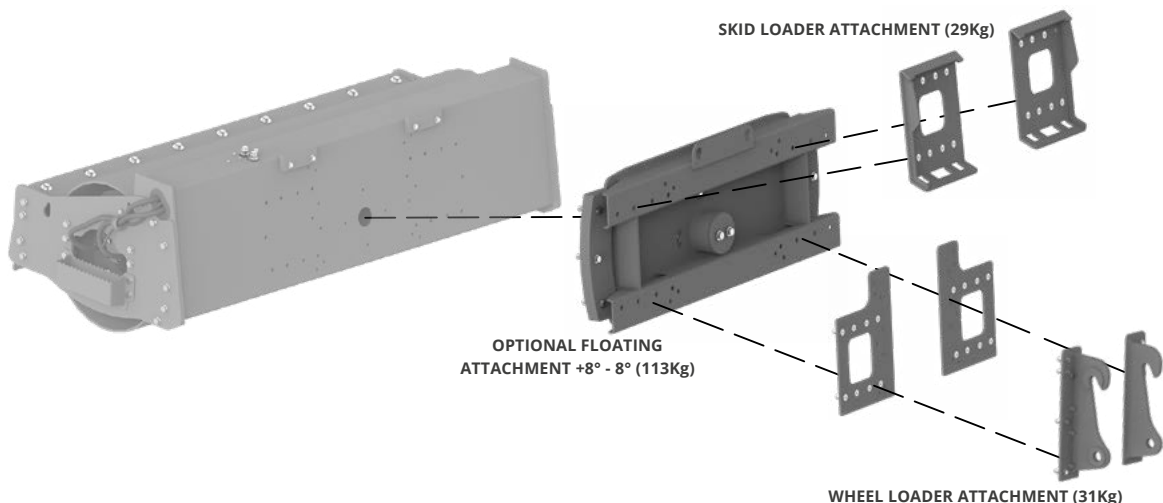
MODEL	VRM MF 160				VRM MF 180				VRM MF 200			
A (mm)	1600				1800				2000			
B (mm)	750				750				750			
C (mm)	700				700				700			
D (mm)	970				970				970			
Without coupling weight Kg	870				950				1035			
Teeth number	65				75				85			
Pressure MIN. / MAX. (BAR)	180 / 220				180 / 220				180 / 220			
Centrifugal force (kN) 2.000	8				8				11			
Centrifugal force (kN) 2.500	12				13				17			

NO FLOW CONTROL VALVE

Engine (CC)	17	22	26	30	17	22	26	30	17	22	26	30
Hydraulic Fluid Flow Rate (L/Min)	$\frac{38}{47}$	$\frac{49}{61}$	$\frac{58}{72}$	$\frac{67}{83}$	$\frac{38}{47}$	$\frac{49}{61}$	$\frac{58}{72}$	$\frac{67}{83}$	$\frac{38}{47}$	$\frac{49}{61}$	$\frac{58}{72}$	$\frac{67}{83}$
Rev/min (RPM)	$\frac{2000}{2500}$				$\frac{2000}{2500}$				$\frac{2000}{2500}$			
Vibration frequency (HERTZ)	$\frac{33}{42}$				$\frac{33}{42}$				$\frac{33}{42}$			

YES FLOW CONTROL VALVE

Engine (CC)	17				17				17			
Hydraulic Fluid Flow Rate (L/Min)	41				41				41			
Rev/min (RPM)	2200				2200				2200			
Vibration frequency (HERTZ)	37				37				37			
Centrifugal force (kN)	10				11				14			





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GLOBAL PARTS

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Brochure
4.3
version