

MADE BY  
**GIORGIO CANGINI**



Brochure  
**4.3**  
version



**MALAGUTI**<sup>®</sup>  
EARTHMOVING EQUIPMENT







## **Plury**<sup>®</sup>

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

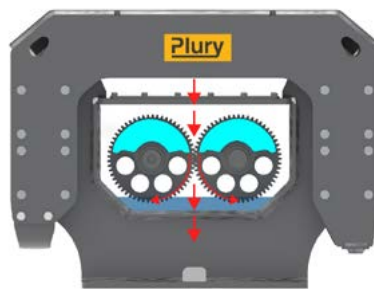
 VIDEO





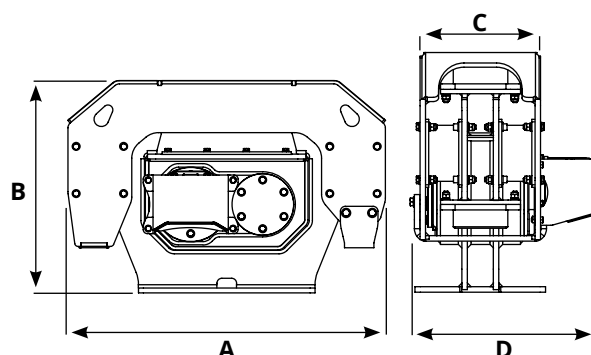


# PLURY W2 DOUBLE VIBRATING MASS PROPULSION SYSTEM



- vibrating mass
- directional force

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

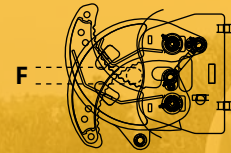
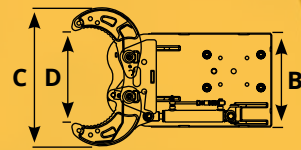
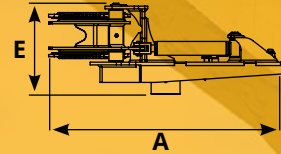
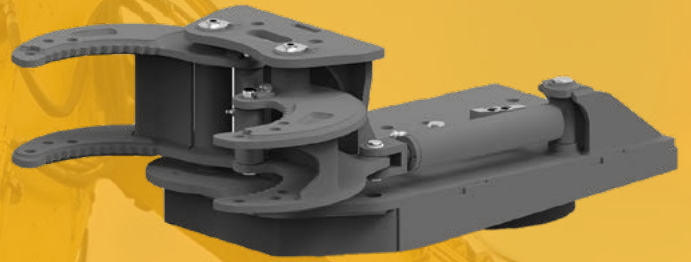


PLURY	W2 60.0	W2 60.0	W2 60.0	W2 80.0	W2 80.0	W2 80.0	W2 100.0	W2 100.0	W2 100.0
	TONS 8.0 - 14.0	TONS 8.0 - 14.0	TONS 8.0 - 14.0	TONS 10.0 - 15.0	TONS 10.0 - 15.0	TONS 10.0 - 15.0	TONS 12.0 - 18.0	TONS 12.0 - 18.0	TONS 12.0 - 18.0
A (mm)	970	970	970	970	970	970	1030	1030	1030
B (mm)	650	650	650	650	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	W2 120.0	W2 120.0	W2 150.0	W2 180.0
	TONS 14.0 - 20.0	TONS 14.0 - 20.0	TONS 14.0 - 20.0	TONS 18.0 - 35.0	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



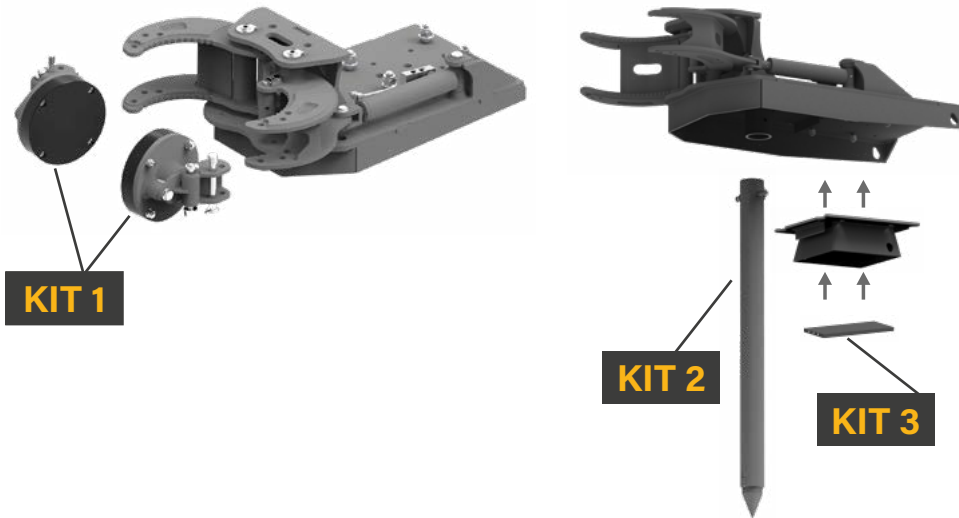
Model	A mm	B mm	C mm	D mm	E mm	F Ø mm	Kg.
<b>GRAPPLE 1/4 ton</b>	810	380	560	375	310	35	75
<b>GRAPPLE 4/6.5 ton</b>	1090	460	665	425	420	55	159
<b>GRAPPLE 7/15 ton</b>	1575	705	870	560	520	140	365
<b>GRAPPLE 8/20 ton</b>	1590	705	870	570	520	140	375
<b>GRAPPLE 18/40 ton</b>	1730	705	870	560	530	140	380

Hydraulic Fluid Flow Rate (L/Min)	10	Pressure (BAR)	200
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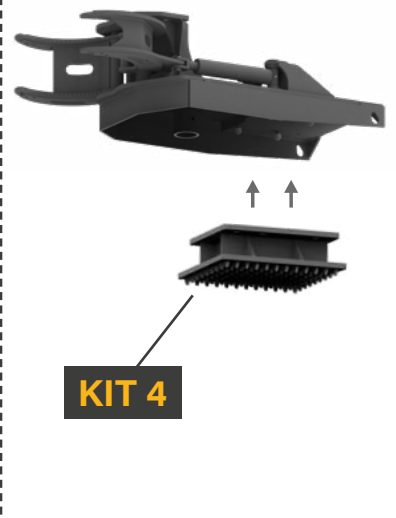
- › Designed for vibro-driving and extraction of wooden, concrete and steel poles
- › Suitable for the containment of landslides, docks, and embankments
- › Construction of vineyards, orchards and fences
- › A fundamental combination that is used in land maintenance and agriculture

# OPTIONAL GRAPPLE KIT

## OPTIONAL CONCRETE-STEEL



## TOOTHED PLATE FOR GRAPPLE



- › 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

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

 VIDEO



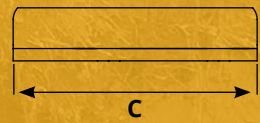
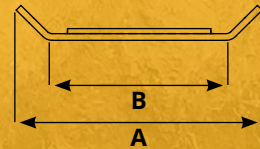






# PLATE 1P

## SINGLE-FOLD COMPACTION PLATE



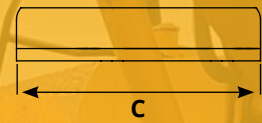
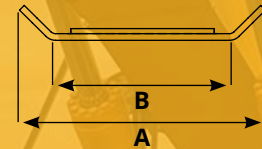
Model	A mm	B mm	C mm	Kg.
<b>PLATE 300 1/4 ton</b>	570	495	300	30
<b>PLATE 400 4/6.5 ton</b>	725	625	400	60
<b>PLATE 550 7/15 ton</b>	1050	945	550	111
<b>PLATE 600 7/15 ton</b>	1050	945	600	121
<b>PLATE 700 7/15 ton</b>	1050	945	700	141
<b>PLATE 600 12/20 ton</b>	1130	1025	600	160
<b>PLATE 750 18/40 ton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



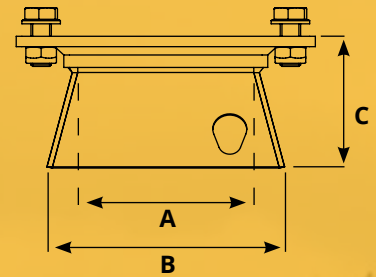
Model	A mm	B mm	C mm	Kg.
PLATE 300 1/4 ton	550	400	300	30
PLATE 400 1/4 ton	550	400	400	40
PLATE 590 1.5/4 ton	550	400	590	59
PLATE 690 1.5/4 ton	550	400	690	69
PLATE 400 4/6.5 ton	700	500	400	60
PLATE 500 4/6.5 ton	700	500	500	75
PLATE 690 4/6.5 ton	700	500	690	100
PLATE 790 4/6.5 ton	700	500	790	115
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



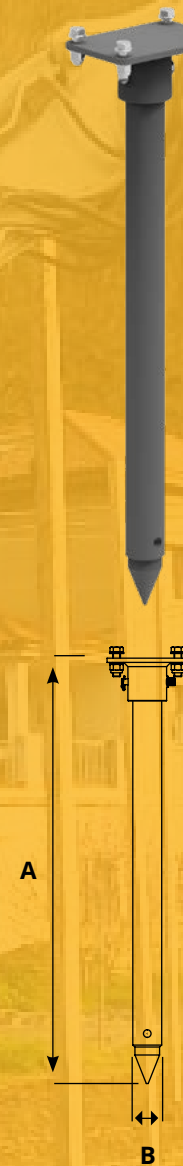
Model	A mm	B mm	C mm	Kg.
BELL 150 - 1/4 ton	150	200	125	12
BELL 200 - 1/4 ton	200	250	125	17
BELL 150 - 4/6.5 ton	150	200	105	11
BELL 200 - 4/6.5 ton	200	250	125	20
BELL 250 - 4/6.5 ton	250	300	145	24
BELL 150 - 7/40 ton	150	200	105	17
BELL 200 - 7/40 ton	200	250	105	20
BELL 250 - 7/40 ton	250	300	125	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.
<b>T-DRILLING + ADAPTER 1/6.5 ton</b>	1110	76	29
<b>T-DRILLING + ADAPTER 7/20 ton</b>	1110	89	43
<b>T-DRILLING + ADAPTER 18/40 ton</b>	1130	101.6	51

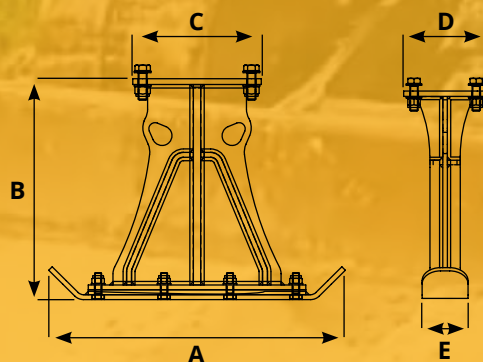
- › Pre-drill bit suitable for making a pre-hole in hard ground
- › Suitable for vibro-driving concrete poles





# T-PLATE

## NARROW PLATE - SINGLE SLED



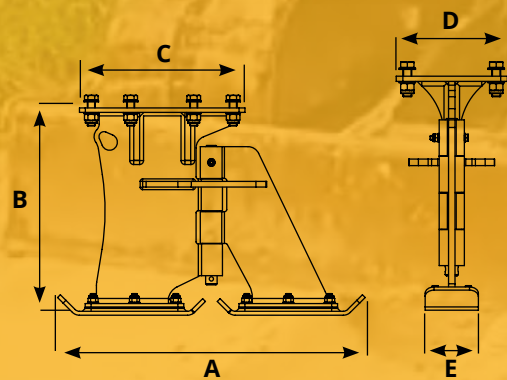
Model	A mm	B mm	C mm	D mm	E mm	Kg.
<b>T-PLATE 100</b> 1/4 ton	600	450	260	180	100	31
<b>T-PLATE 150</b> 1/4 ton	600	450	260	180	150	34
<b>T-PLATE 120</b> 4/6.5 ton	800	550	420	250	120	65
<b>T-PLATE 150</b> 4/6.5 ton	800	550	420	250	150	70
<b>T-PLATE 200</b> 4/6.5 ton	800	550	420	250	200	75
<b>T-PLATE 135</b> 7/40 ton	1050	700	540	360	135	130
<b>T-PLATE 200</b> 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.
<b>TWIN PLATE 100</b> 1/4 ton	600	480	260	180	100	27
<b>TWIN PLATE 150</b> 1/4 ton	600	480	260	180	150	35
<b>TWIN PLATE 120</b> 4/6.5 ton	780	520	420	250	120	56
<b>TWIN PLATE 150</b> 4/6.5 ton	780	520	420	250	150	64
<b>TWIN PLATE 200</b> 4/6.5 ton	780	520	420	250	200	70
<b>TWIN PLATE 135</b> 7/40 ton	1100	600	540	360	135	120
<b>TWIN PLATE 200</b> 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

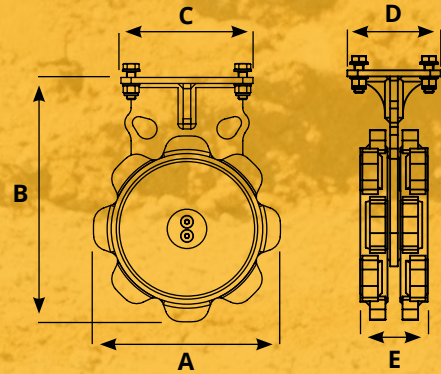


VIDEO



# ONE WHEEL

## SINGLE WHEEL



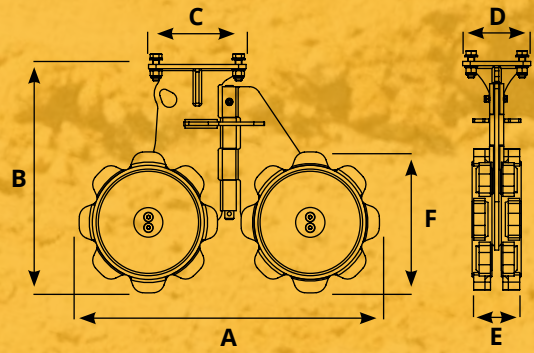
Model	A mm	B mm	C mm	D mm	E mm	Kg.
<b>ONE WHEEL 130</b> 1/4.5 ton	370	485	260	180	130	46
<b>ONE WHEEL 200</b> 1/4.5 ton	370	485	260	180	200	58
<b>ONE WHEEL 200</b> 4/12 ton	480	600	420	250	200	95
<b>ONE WHEEL 300</b> 4/12 ton	480	600	420	250	300	110
<b>ONE WHEEL 270</b> 8/40 ton	710	830	540	360	270	212
<b>ONE WHEEL 350</b> 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.
<b>TWIN WHEEL 130 1/4.5 ton</b>	805	596	260	370	130	370	86
<b>TWIN WHEEL 200 1/4.5 ton</b>	805	596	260	370	200	370	115
<b>TWIN WHEEL 200 4/12 ton</b>	1065	715	420	250	200	480	185
<b>TWIN WHEEL 300 4/12 ton</b>	1065	715	420	250	300	480	230
<b>TWIN WHEEL 270 8/40 ton</b>	1540	890	540	360	270	710	408
<b>TWIN WHEEL 3508/40 ton</b>	1540	890	540	360	350	710	442

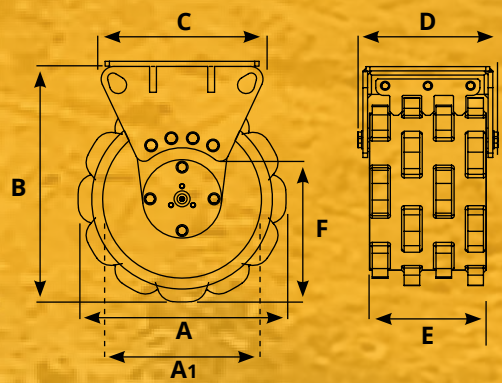
- › Ideal for compaction works on narrow and curved trenches
- › It allows the plate to reach deep
- › Particularly suitable for fibre grounding and underground services





# STORM WHEEL

## WHEEL COMPACTOR



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

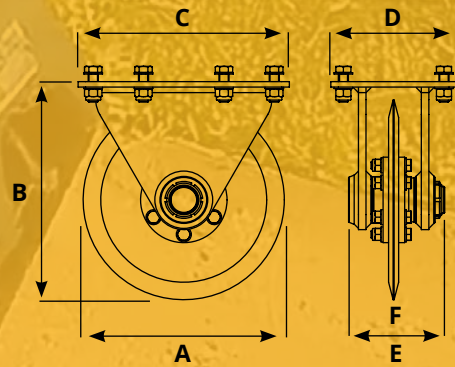
- > ideal for compaction works
- > Ideal for compacting the surface and the backfill material in the excavation
- > The equipment ensures a solid, homogeneous and long-lasting surface



 VIDEO

# 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

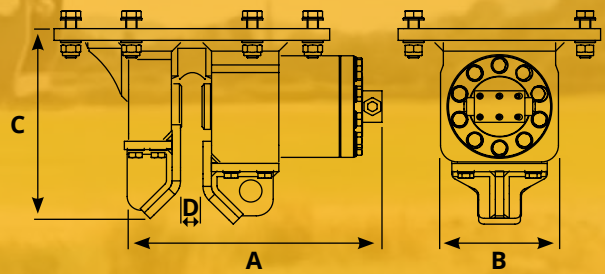
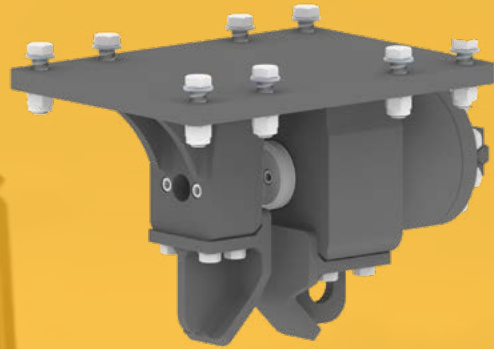
> Ideal for cutting asphalt before digging a trench





# SHEET PILE CLAMP

## SHEET PILE CLAMP



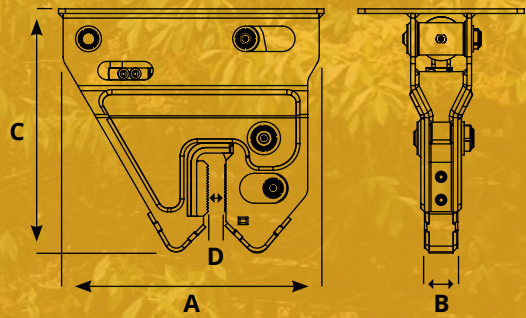
Model	A mm	B mm	C mm	D mm	Press. Bar	Force max press	Kg.
<b>SHEET PILE CLAMP 25 GRIP</b>	455	210	350	32	200	23 Ton	170
					250	28 Ton	

- > 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

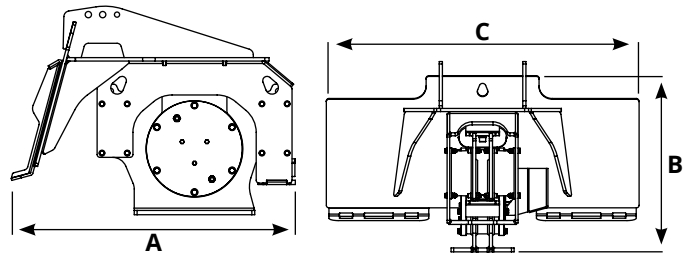


Model	A mm	B mm	C mm	D mm	Press. Bar	Force max press	Kg.
<b>H-BEAM CLAMP 20 GRIP</b>	580	72	430	35	200	20 Ton	95
					250	23 Ton	

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

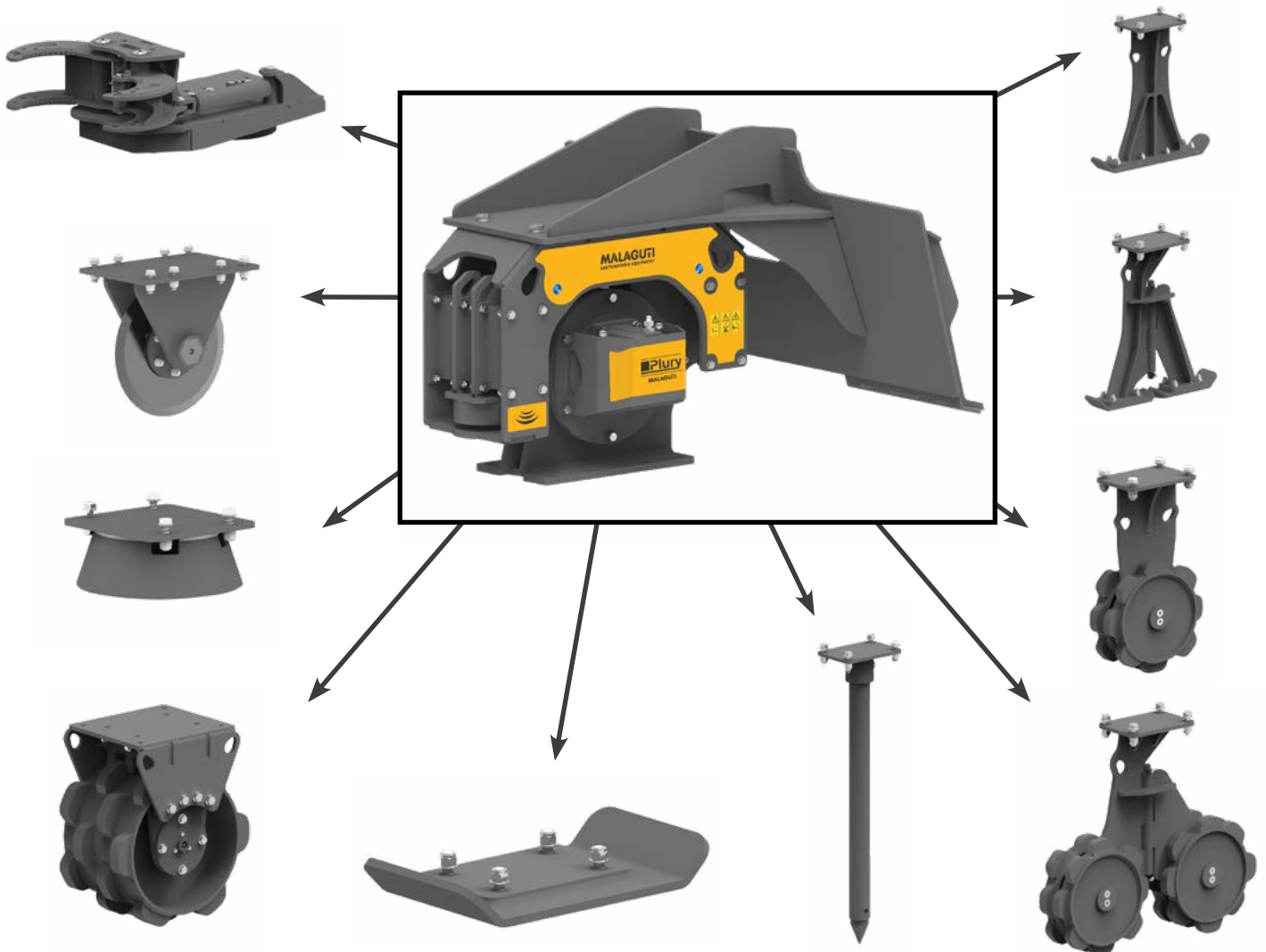


## SINGLE FRONT ATTACHMENT FOR PLURY



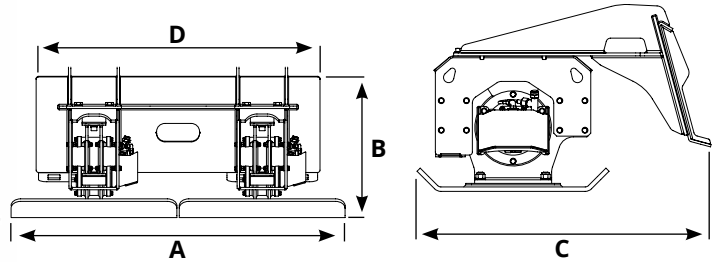
- › Through the use of the Plury front attachment, it is possible to use the vibration drive on machines such as skid loader, mini skid loader, mini wheel loader

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



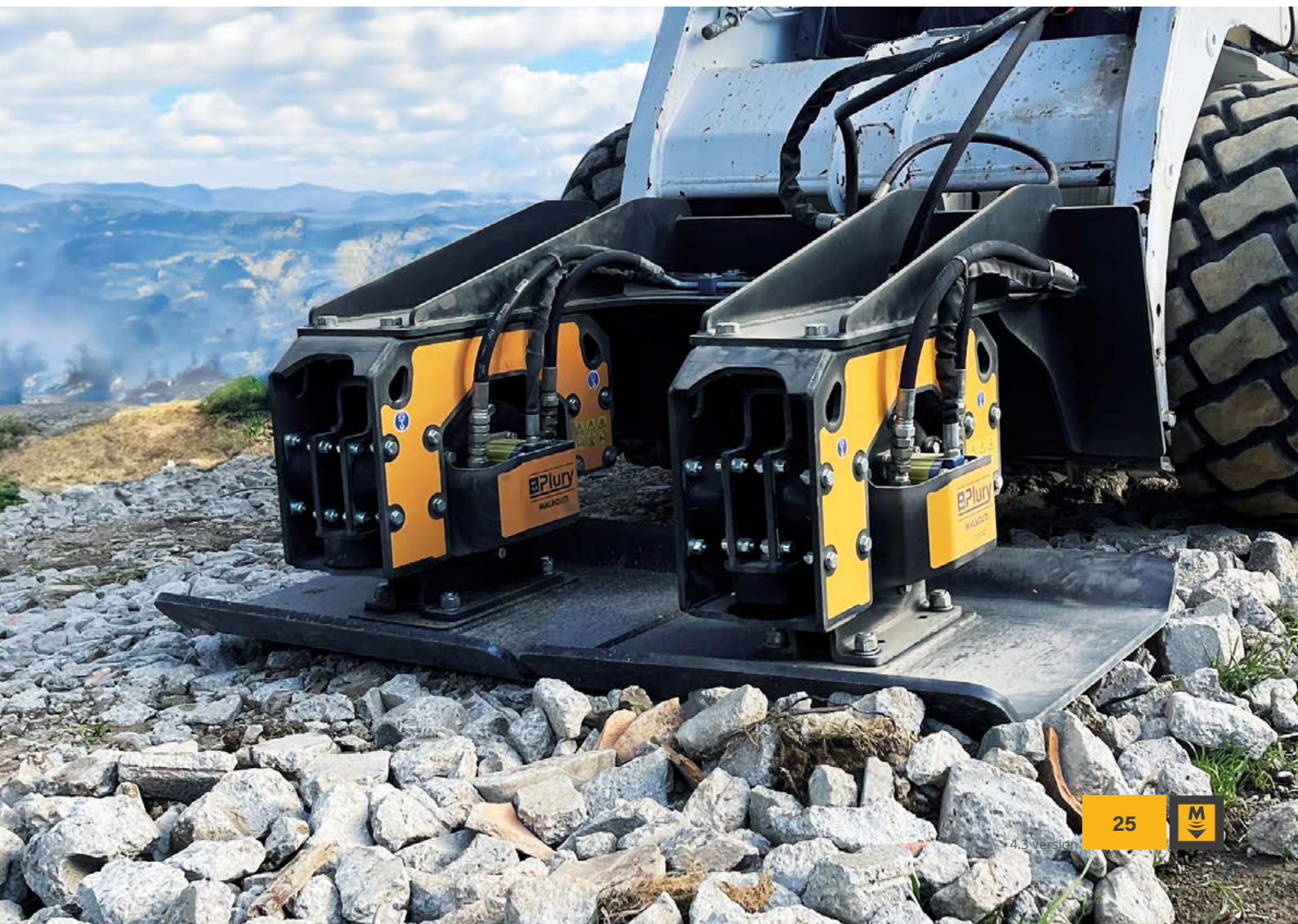


## FRONT-MOUNTED DOUBLE COMPACTION PLATE



- › 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.
<b>PLURY KN 9+9 120</b>	1200	525	990	1190	400
<b>PLURY KN 9+9 140</b>	1400	525	990	1190	420
<b>PLURY KN 15+15 140</b>	1400	630	1000	1190	485
<b>PLURY KN 15+15 160</b>	1600	630	1000	1190	505
<b>PLURY KN 27+27 160</b>	1600	730	1150	1190	790
<b>PLURY KN 27+27 180</b>	1800	730	1150	1190	820
<b>PLURY KN 40+40 180</b>	1800	730	1150	1190	825
<b>PLURY KN 40+40 200</b>	2000	730	1150	1190	885
<b>PLURY KN 65+65 200</b>	2000	840	1250	1190	1290
<b>PLURY KN 65+65 220</b>	2200	840	1250	1190	1330

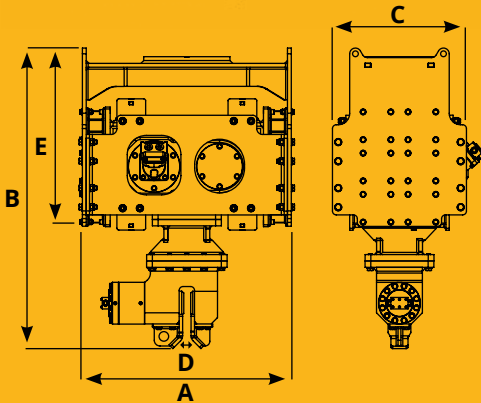
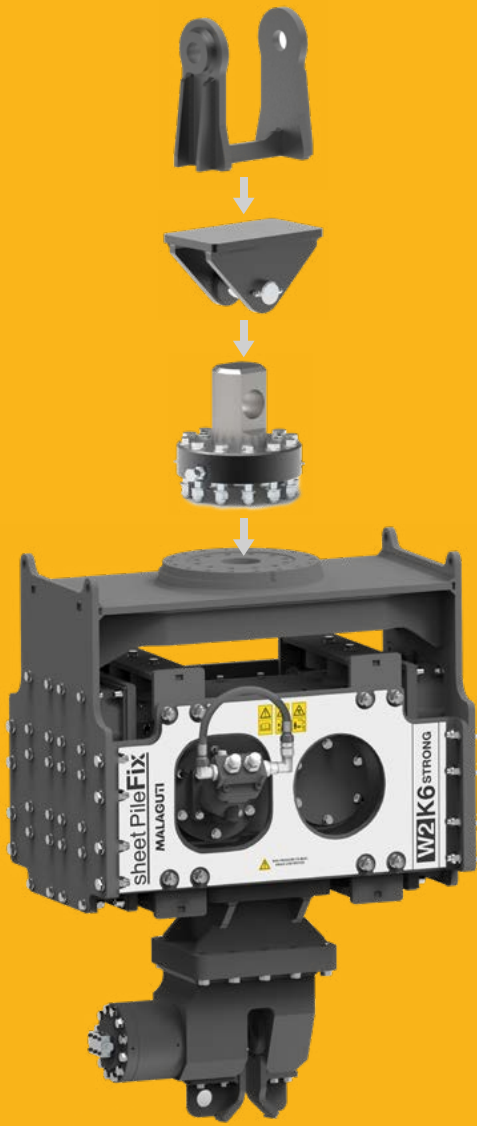




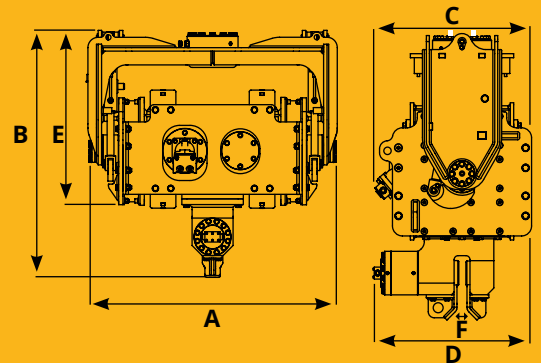
 sheetPile  
**Fix**

## **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

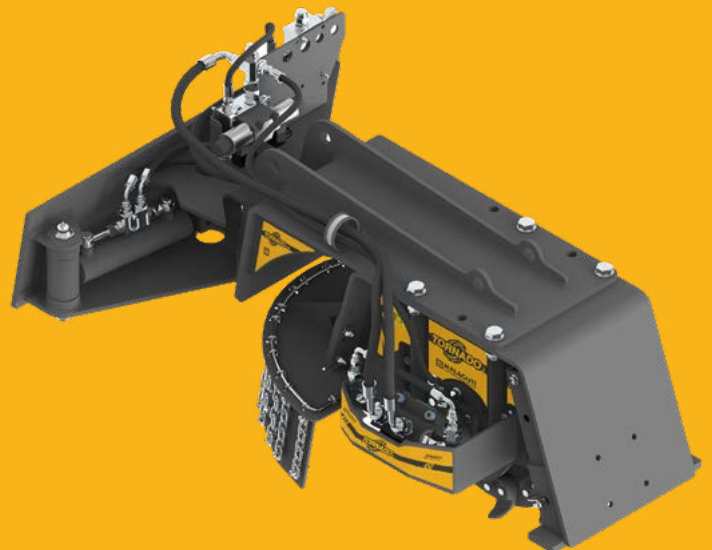
### **Suitable on difficult gradients**

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

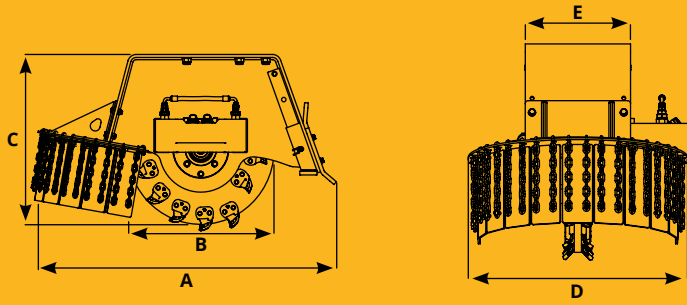
### **Quick and effective**

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

# TORNADO

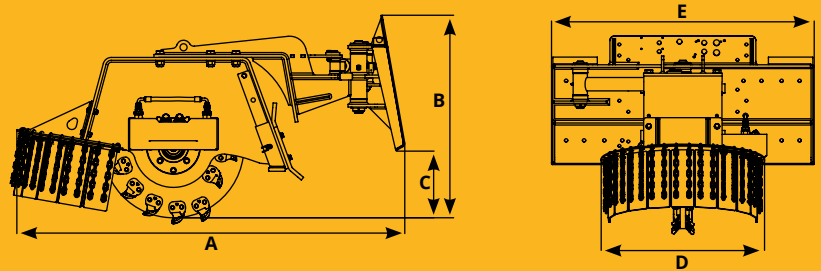


# STUMP GRINDER for EXCAVATOR and BACKHOE



<b>TORNADO 2</b>	<b>Tornado 2 350</b>			<b>Tornado 2 450</b>			<b>Tornado 2 600</b>			<b>Tornado 2 600 PLUS</b>				
<b>TONS</b>	<b>1.5 - 4.0</b>			<b>4.0 - 9.0</b>			<b>9.0 - 13.0</b>			<b>13.0 - 18.0</b>				
<b>A (mm)</b>	830			970			1230			1230				
<b>B (Ømm)</b>	350			450			600			600				
<b>C (mm)</b>	430			540			710			710				
<b>D (mm)</b>	610			610			730			730				
<b>E (mm)</b>	350			350			350			350				
<b>Engine (CC)</b>	<b>Hydraulic Fluid Flow Rate (L/Min)</b>	<b>Rev/min (RPM)</b>	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									
<b>Weight (Kg)</b>	116			170			278			278				
<b>Teeth number</b>	16			20			28			28				
<b>Pressure (BAR)</b>	250			250			250			250				
<b>Back press. Max. (BAR)</b>	15			15			15			15				

# SWINGING FRONT STUMP GRINDER for SKID LOADER and WHEEL LOADER

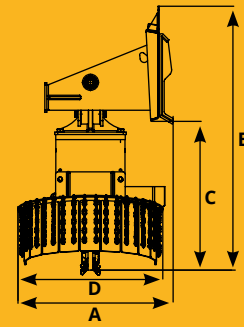
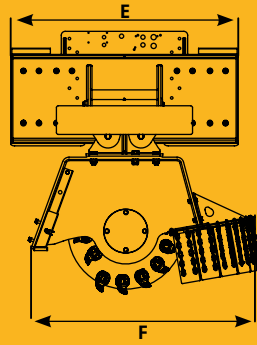


<b>TORNADO 2F</b>	<b>Tornado 2F 350</b>			<b>Tornado 2F 450</b>			<b>Tornado 2F 600</b>			<b>Tornado 2F 600 PLUS</b>				
<b>A (mm)</b>	1435			1490			1650			1650				
<b>B (Ømm)</b>	595			695			860			860				
<b>C (mm)</b>	20			120			285			285				
<b>D (mm)</b>	610			610			730			730				
<b>E (mm)</b>	1170			1170			1170			1170				
<b>Engine (cc)</b>	<b>Hydraulic Fluid Flow Rate (L/Min)</b>	<b>Rev/min (RPM)</b>	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									
<b>Weight (Kg)</b>	231			285			393			393				
<b>Teeth number</b>	16			20			28			28				
<b>Pressure (BAR)</b>	250			250			250			250				
<b>Backpress. Max. (BAR)</b>	15			15			15			15				



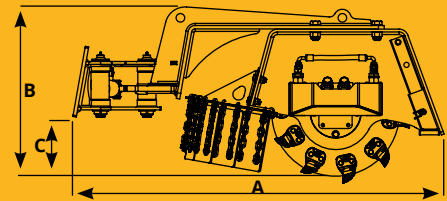
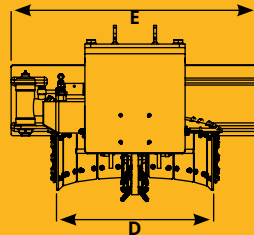


# TRANSVERSE FRONT STUMP GRINDER for SKID LOADER and WHEEL LOADER



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		

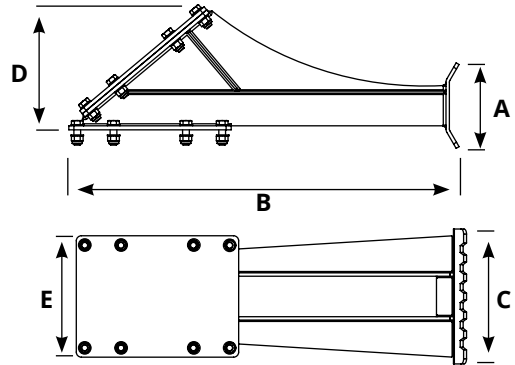
# SWINGING FRONT STUMP GRINDER for MINI SKID LOADER



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



