

The Serrat logo, featuring a stylized gear icon to the left of the brand name "Serrat" in a bold, sans-serif font.

Serrat



**Forestry Range
& Hydraulic Heads**



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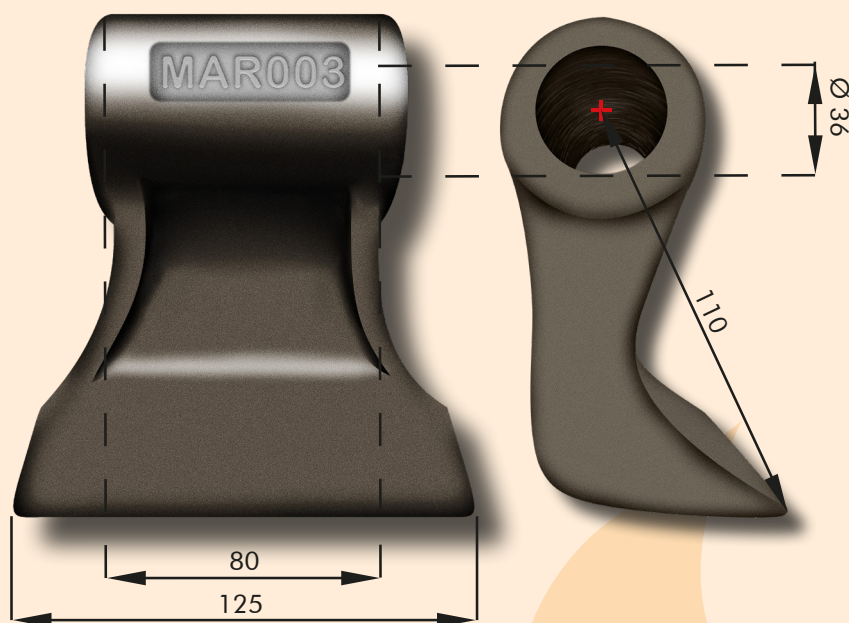


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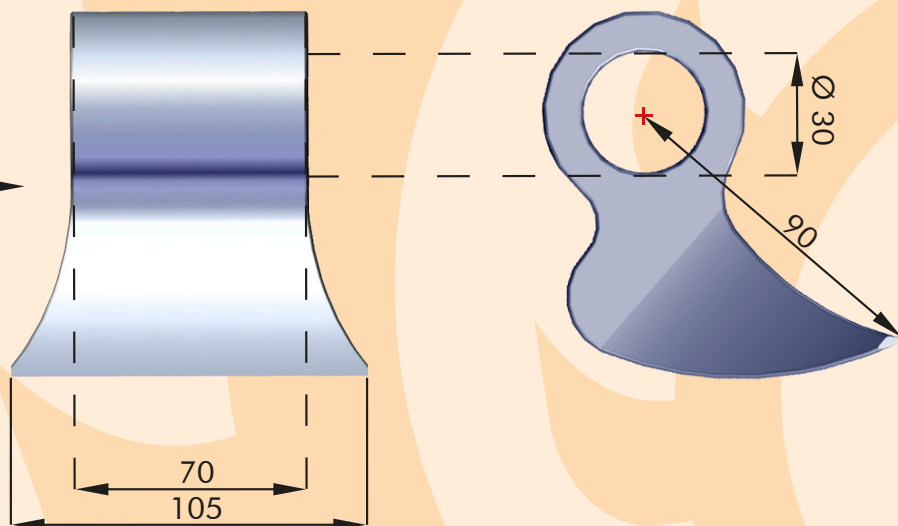
Forestry mulchers with swinging hammers

The base of the hammer is of 80 mm compared with 60 mm of a standard hammer, and that avoids problems generated by the side blows in the bars. (Much more stable). Thanks to the width of Serrat hammer (125 mm) we need fewer elements of cutting to cover the width of the crusher and it means a very important economy at the level of operating costs. With a mulcher with Serrat hammers we can work on a material of 100 - 150 mm of diameter and we save time between 30 % and 40 % and an investment of exploitation of less 30 %.



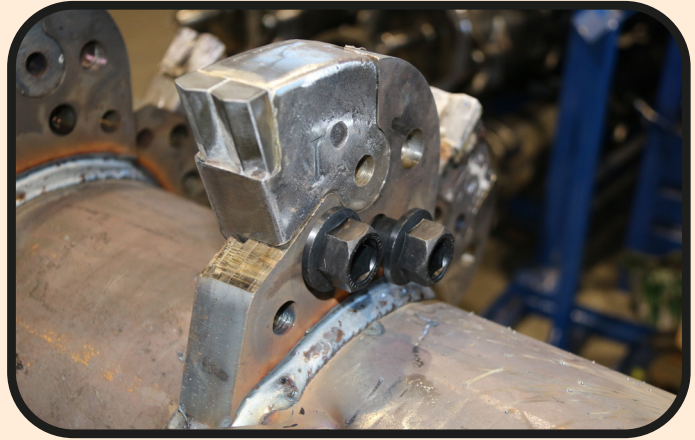
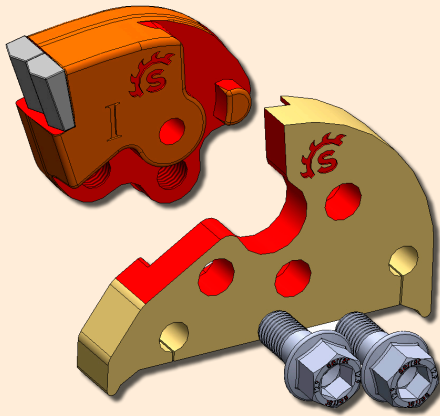
- Chassis monocoque in 10 mm, 12 mm and 15 mm with entry in staircase and three lines of counter hammers allowing to measure the entry of the material as in a funnel and avoiding obstructions of the material after having entered the chamber of grinding, and avoiding projections in the direction of the tractor.
- The tension of the belts is made by moving axes avoiding the roller tensor and the inverted flexions of the belts. The greasing is made by the center of the axis so that the grease divides up in the movement thanks to the centrifugation.
- Forged and tempered steel hammer. Gearbox Serrat drawn specially for forestry mulchers, all its bearings are conical ball rollers.

MAR-010: Forestry Hammer FX- 3.



Forestry mulchers with fixed tooth

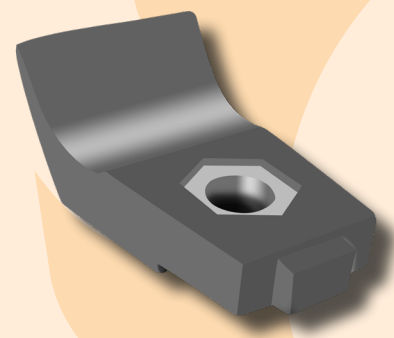
Fixe Top System: a system of cutting with teeth in tungsten, it's characterized by clamp screw not supporting the tooth; they fix it only so that it does not go out laterally. The effort due to the work neutralizes itself inside crenellations between the tooth and the support.



FIXE TOP

Forestry mulchers with blades (DRR ROTOR)

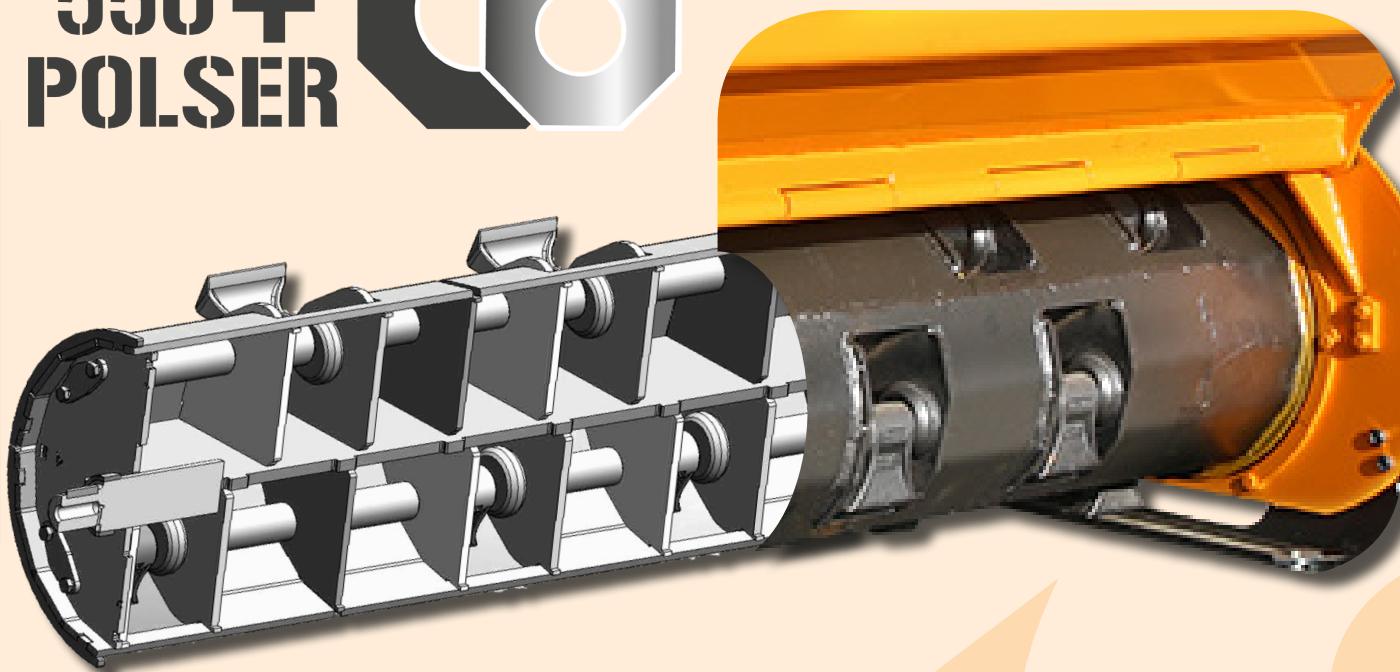
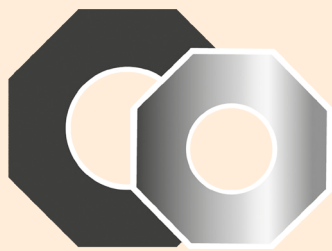
This machine has a special rotor of knives that facilitates and speeds up the work by requiring less power. Not indicated in the presence of stones.



ROTOR POLSER +

Rotor POLSER+, made in a plate of hardox and with a mechanical assembly.

550 + POLSER



Forest rotor designed with the SERRAT polygonal section technology.

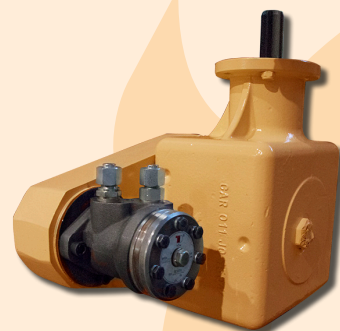
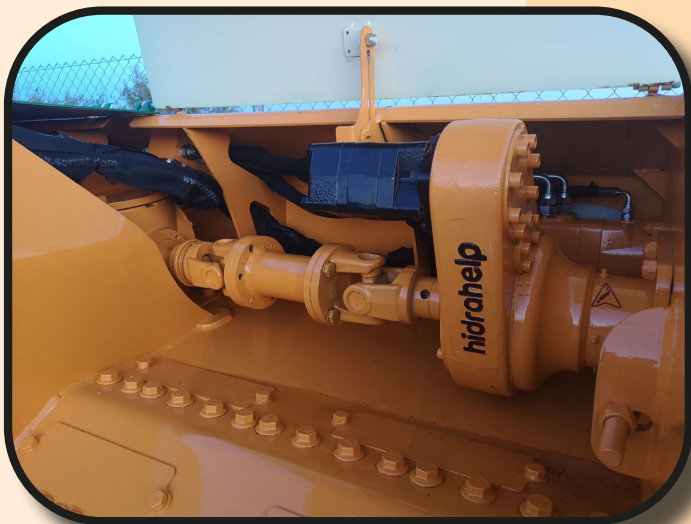
Rotor with swinging hammers at 360° inside the rotor.

The structural rigidity of this system avoiding damages during accidents, obtaining flexibility and rigidity at the same time.

The belting has been studied in protected spaces in order to avoid premature consumption during possible frictions with the ground. Internal plates are incorporated to reinforce the axis.

Hidrahelp

Hidrahelp is a hydraulic starter system for machines with heavy rotors, PTO without modulation in the ignition and in the front PTO.



HIDRAHELP

Details

- ▶ 1 XPB/XPC side belt transmission.
- ▶ 2 Synchronous belts transmission.
- ▶ 3 System antiwire.
- ▶ 4 Steel counter hammers.
- ▶ 5 Skid shoes.
- ▶ 6 Hydraulic pushing frame.
- ▶ 7 Mechanical pushing frame.
- ▶ 8 Greasing system.
- ▶ 9 Freewheel on sleeve.

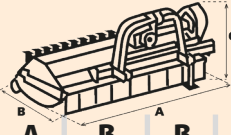


FX-3 +

[-FIXE TOP-]

- ▶ Rotor POLSER + of Ø 470 mm.
- ▶ Steel-plate chassis, thickness 8 mm.
- ▶ Rotor with swinging hammers, fixed tooth or blades DRR.
- ▶ For tractors between 40 - 110 HP.
- ▶ To cut wood up to Ø 100 - 120 mm.



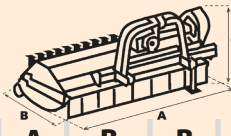
MODEL	 mm	 KW-HP					N° BELTS TYPE		A mm	A in	B mm	B in	C mm	C in	
T-1400	1400	37 - 50 82 - 110	12	36	18	789	3 XPC		1640	65"	1070	42"	970	38"	540
T-1600	1600	44 - 60 82 - 110	16	44	22	862	3 XPC		1840	72"	1070	42"	970	38"	540
T-1800	1800	52 - 70 82 - 110	16	46	24	924	3 XPC		2040	80"	1070	42"	970	38"	540
T-2000	2000	60 - 80 82 - 110	20	50	26	966	4 XPC		2240	88"	1070	42"	970	38"	540



[-FIXE TOP-]

+ FX

- ▶ Rotor POLSER + of Ø 550 mm.
- ▶ Steel-plate chassis, thickness 10 mm.
- ▶ Rotor with swinging hammers, fixed tooth or blades DRR.
- ▶ For tractors between 80 - 150 HP.
- ▶ To cut wood up to Ø 120 - 180 mm.

MODEL	 mm	 KW-HP					N° BELTS TYPE		A mm	A in	B mm	B in	C mm	C in	
T-1400	1400	60 - 80 112 - 150	12	36	18	1040	3 XPC		1680	66"	1340	53"	1010	40"	540
T-1600	1600	65 - 88 112 - 150	12	40	22	1160	3 XPC		1880	74"	1340	53"	1010	40"	540
T-1800	1800	74 - 100 112 - 150	16	45	22	1253	4 XPC		2080	82"	1340	53"	1010	40"	1000
T-2000	2000	82 - 110 112 - 150	16	50	24	1325	4 XPC		2280	90"	1340	53"	1010	40"	1000
T-2300	2300	96 - 130 112 - 150	20	58	28	1510	4 XPC		2580	102"	1340	53"	1010	40"	1000

FX+ +

FIXE TOP

- ▶ Rotor POLSER + of 550 mm of diameter.
- ▶ Steel-plate chassis, thickness 10 mm.
- ▶ Rotor with swinging hammers, fixed tooth or blades DRR.
- ▶ For tractors between 150 - 230 HP.
- ▶ To cut wood up to Ø 150 - 200 mm.
- ▶ Double geardrives.



Forestry

MODEL



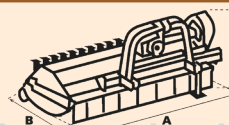
mm



KW-HP



N° BELTS
TYPE



A
mm

A
in

B
mm

B
in

C
mm

C
in



T-2000

2000

112 - 150
172 - 230

16

50

26

1990

2 x 3 XPC

2345

92"

1840

72"

1380

54"

1000

T-2300

2300

119 - 160
172 - 230

20

58

30

2200

2 x 3 XPC

2645

104"

1840

72"

1380

54"

1000

T-2500

2500

134 - 180
172 - 230

20

62

32

2290

2 x 3 XPC

2845

112"

1840

72"

1380

54"

1000

RAIL BOX
FIXE TOP

+ FX-5



- ▶ Rotor POLSER + of 625 mm of diameter.
- ▶ Steel-plate chassis, thickness 10 mm.
- ▶ Rotor with swinging hammers, fixed tooth or blades DRR.
- ▶ For tractors between 180 - 280 HP.
- ▶ To cut wood up to Ø 250 - 300 mm.
- ▶ Double geardrives.
- ▶ Rail Box System.

MODEL



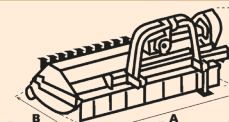
mm



KW-HP



N° BELTS
TYPE



A
mm

A
in

B
mm

B
in

C
mm

C
in



T-2000

2000

134 - 180
208 - 280

20

50

26

2830

2 x 4 XPC

2370

94"

1940

76"

1730

68"

1000

T-2300

2300

134 - 180
208 - 280

20

58

28

3220

2 x 4 XPC

2670

106"

1940

76"

1730

68"

1000

T-2500

2500

134 - 180
208 - 280

25

62

30

3450

2 x 4 XPC

2870

114"

1940

76"

1730

68"

1000

FX-6 +

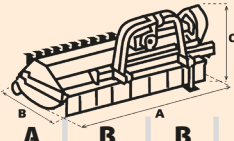


FIXE TOP
RAIL BOX

- ▶ Rotor POLSER + of 725 mm of diameter.
- ▶ Steel-plate chassis, thickness 12 mm.
- ▶ Rotor with swinging hammers, fixed tooth or blades DRR.
- ▶ For tractors between 200 - 350 HP.
- ▶ To cut wood up to Ø 400 mm.
- ▶ Double geardrives.
- ▶ Rail Box System.



MODEL

														
	mm	KW-HP					N° BELTS TYPE	A mm	A in	B mm	B in	C mm	C in	
T-2000	2000	149 - 200 261 - 350	36	48	24	4000	2 x 5 XPC	2500	98"	2090	82"	1930	76"	1000
T-2300	2300	149 - 200 261 - 350	48	58	28	4350	2 x 5 XPC	2800	110"	2090	82"	1930	76"	1000
T-2500	2500	149 - 200 261 - 350	48	66	42	4830	2 x 5 XPC	3000	118"	2090	82"	1930	76"	1000



FIXE TOP
RAIL BOX



SYNKR0DOS 600

+ FX-8

- ▶ Rotor POLSER + of 1.100 mm of diameter.
- ▶ Steel-plate chassis, thickness 15 mm.
- ▶ Rotor with swinging hammers, fixed tooth or blades DRR.
- ▶ For tractors between 300 - 600 HP.
- ▶ To cut wood up to Ø 600 mm.
- ▶ Double geardrives.
- ▶ Rail Box System.
- ▶ Greasing system.

MODEL

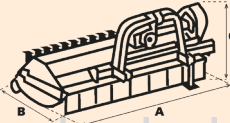
MODEL						N° BELTS TYPE							
	mm	KW-HP					A mm	A in	B mm	B in	C mm	C in	
T-2600	2600	223 - 300 447 - 600	128	64	7050	Synchronous	2705	107"	2270	89"	1700	67"	1000

CADENAS JUNIOR

- Brush culter for forestry works, agricultural maintenances and gardening, for tractors of 50 - 80 HP.
- Steel-plate closed chassis, thickness of 5 mm.
- SERRAT rotor with 2 chains with links of Ø 13 mm.
- To cut wood up to Ø 40 mm.



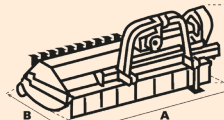
Forestry

MODEL				Ud.								
	mm	KW-HP	Ø		A mm	A in	B mm	B in	C mm	C in		
T-1500	1500	37 - 50 60 - 80	13	2	360	1678	66"	1910	75"	880	35"	540
T-1800	1800	44 - 60 60 - 80	13	2	437	1978	78"	2271	90"	880	35"	540
T-2000	2000	51 - 70 60 - 80	13	2	472	2178	86"	2423	95"	880	35"	540



FX CS

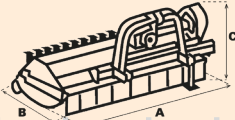
- Brush culter for forestry works, agricultural maintenances and gardening, for tractors of 60 - 120 HP.
- Steel-plate closed chassis, thickness of 10 mm + 5 mm.
- SERRAT rotor with 4 chains with links of Ø 16 mm.
- To cut wood up to Ø 60 mm.

MODEL				Ud.								
	mm	KW-HP	Ø			A mm	A in	B mm	B in	C mm	C in	
T-1400	1400	45 - 60 75 - 100	16	4	600	1757	69"	1860	73"	1186	47"	540
T-1600	1600	60 - 80 88 - 120	16	4	650	1957	77"	2050	81"	1186	47"	540
T-1800	1800	74 - 100 88 - 120	16	4	800	2160	85"	2200	87"	1186	47"	540
T-2000	2000	81 - 110 88 - 120	16	4	1120	2357	93"	2303	91"	1186	47"	540

FX CADENAS

- ▶ Brush cutter for forestry works, agricultural maintenances and gardening, for tractors of 80 - 160 HP.
- ▶ Steel-plate closed chassis, thickness of 15 mm + 5 mm.
- ▶ SERRAT rotor with 4 chains with links of Ø 16 mm.
- ▶ To cut wood up to Ø 80 mm.



MODEL				Ud.								
	mm	KW-HP	Ø		A mm	A in	B mm	B in	C mm	C in		
T-1400	1400	60 - 80 119 - 160	16	4	1031	1757	69"	1860	73"	1615	64"	1000
T-1600	1600	67 - 90 119 - 160	16	4	1184	1957	77"	2050	81"	1615	64"	1000
T-1800	1800	75 - 100 119 - 160	16	4	1318	2160	85"	2200	87"	1615	64"	1000
T-2000	2000	82 - 110 119 - 160	16	4	1435	2357	93"	2305	91"	1615	64"	1000

Notes

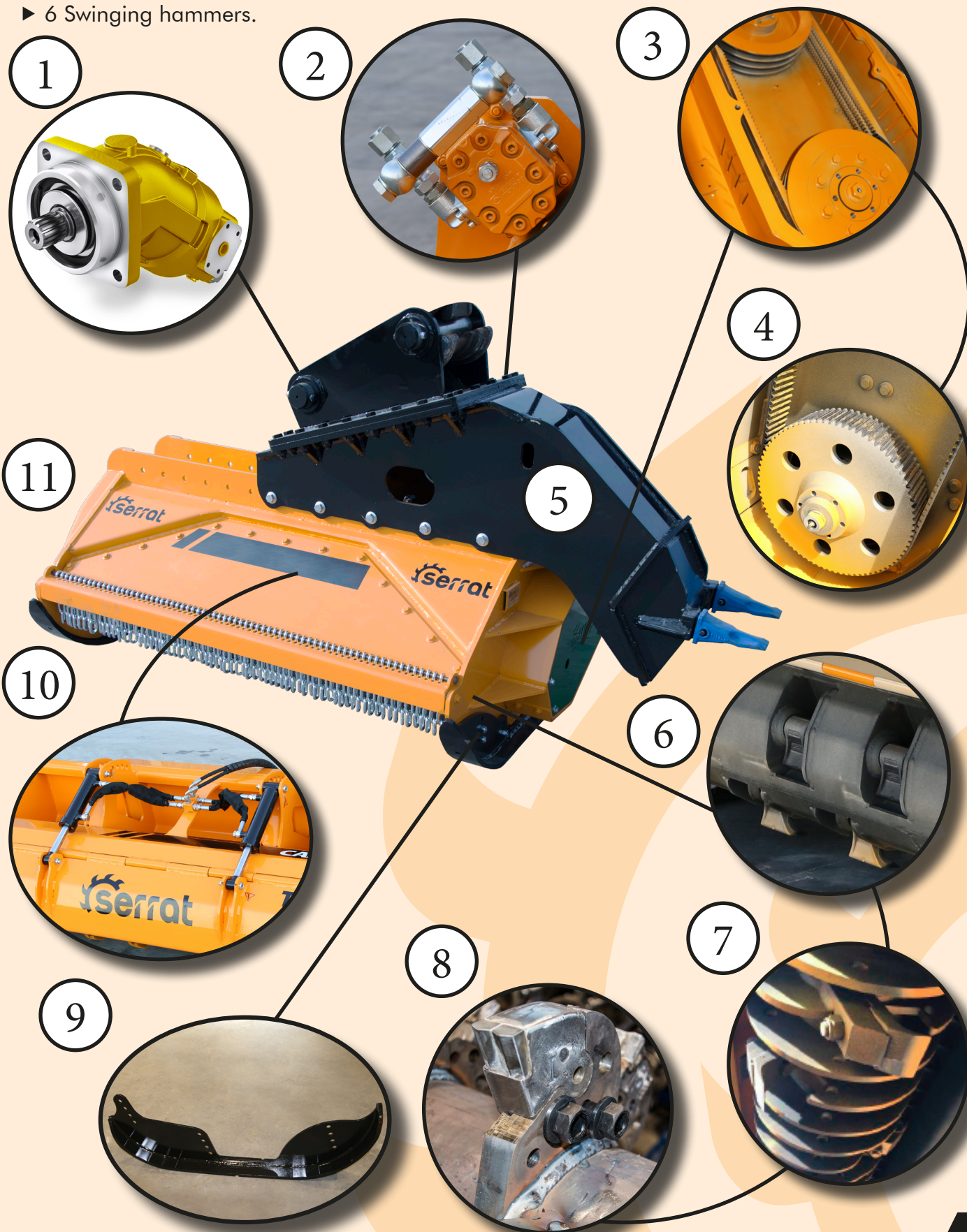
Notes

Hydraulic Heads



Details

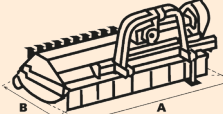
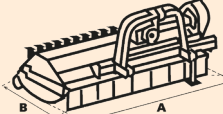
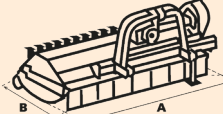
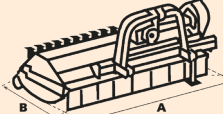
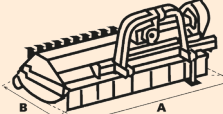
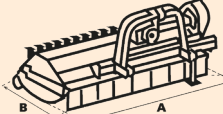
- ▶ 1 Hydraulic engine with pistons.
- ▶ 2 Valve of recirculation incorporated.
- ▶ 3 XPC side belt transmission.
- ▶ 4 Synchronous belts transmission.
- ▶ 5 Ripper.
- ▶ 6 Swinging hammers.
- ▶ 7 Blades DRR.
- ▶ 8 Fixed tooth.
- ▶ 9 Skid shoes.
- ▶ 10 Rear hydraulic hood.
- ▶ 11 Rear mechanical hood.

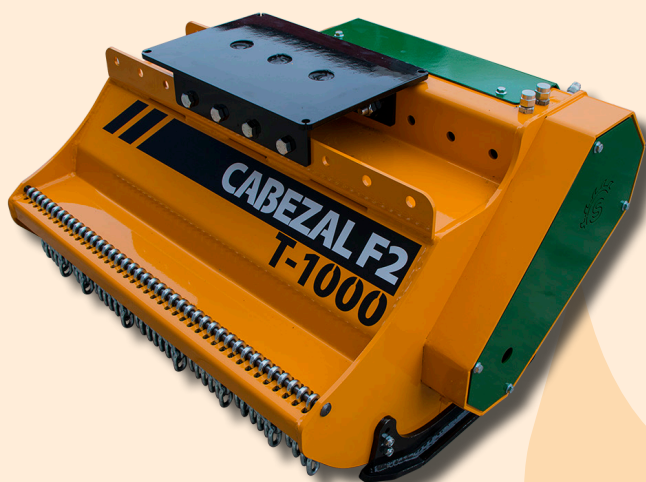


CABEZAL F1

- ▶ Tubular rotor with grass flails or forged agricultural hammers SERRAT.
- ▶ Non-wear steel-plate chassis, thickness 4 mm.
- ▶ Head for mini excavators of weight until 3,5 t.
- ▶ Suitable for the maintenance of greenspaces, riverbanks, bushes up to Ø 20 - 30 mm.
- ▶ Hydraulic gear motor.
- ▶ Flow 35 - 45 l/min.
- ▶ Pressure 200 bar.

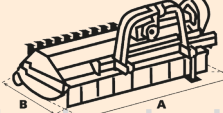
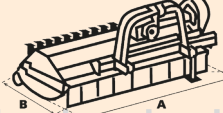
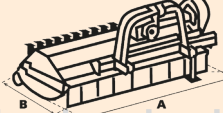
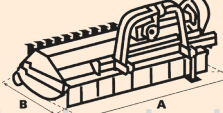
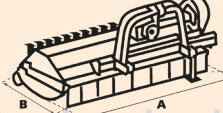
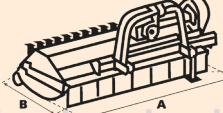


MODEL	 mm	 HORSE POWER min. req. max. aut.					Nº BELTS TYPE	 A mm	 A in	 B mm	 B in	 C mm	 C in	 max.
T-800	800	35-45 l/min	200 bar	16x2	9	140	Synchronous	910	36"	640	25"	487	19"	3000



CABEZAL F2

- ▶ Rotor POLSER of Ø 420 mm.
- ▶ Non-wear steel-plate chassis, thickness 6 mm.
- ▶ Head for mini excavators of weight between 3,5 and 6 t.
- ▶ Suitable for the maintenance of greenspaces, riverbanks, bushes up to Ø 60 mm.
- ▶ Hydraulic gear motor.
- ▶ Flow 50 - 80 l/min.
- ▶ Pressure 180 bar.

MODEL	 mm	 HORSE POWER min. req. max. aut.					Nº BELTS TYPE	 A mm	 A in	 B mm	 B in	 C mm	 C in	 max.
T-600	600	50-80 l/min	180 bar	24	9	262	3 XPB	735	26"	875	34"	645	25"	2500
T-800	800	50-80 l/min	180 bar	32	9	298	3 XPB	935	37"	875	34"	645	25"	2500
T-1000	1000	50-80 l/min	180 bar	40	12	336	3 XPB	1135	45"	875	34"	645	25"	2500
T-1200	1200	50-80 l/min	180 bar	48	12	373	3 XPB	1335	53"	875	34"	645	25"	2500

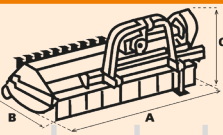
CABEZAL F3



- ▶ Rotor POLSER + of Ø 470 mm.
- ▶ Non-wear steel-plate chassis, thickness 8 mm.
- ▶ Head for mini excavators of weight between 6 and 15 t.
- ▶ Suitable for the maintenance of greenspaces, riverbanks, bushes up to Ø 80 mm.
- ▶ Hydraulic engine with pistons.
- ▶ Swinging forged forestry hammers 360°, fixed tooth with tip in tungsten or blades DRR.

- ▶ Flow 70 - 90 l/min.
- ▶ Pressure 350 bar.

MODEL

															
	mm	HORSE POWER min. req. max. aut.				KG	Nº BELTS TYPE		A mm	A in	B mm	B in	C mm	C in	max.
T-800	800	70-90 l/min	350 bar	8	20	10	618	3 XPC	1075	42"	1145	45"	720	28"	2200
T-1000	1000	70-90 l/min	350 bar	8	26	13	695	3 XPC	1275	50"	1145	45"	720	28"	2200
T-1200	1200	70-90 l/min	350 bar	12	32	15	771	3 XPC	1475	58"	1145	45"	720	28"	2200
T-1400	1400	70-90 l/min	350 bar	12	36	18	839	3 XPC	1675	66"	1145	45"	720	28"	2200

- ▶ Rotor POLSER + of Ø 550 mm.
- ▶ Non-wear steel-plate chassis, thickness 10 mm.
- ▶ Head for mini excavators of weight between 15 and 30 t.
- ▶ Suitable for the maintenance of greenspaces, riverbanks, bushes up to Ø 120 mm.
- ▶ Hydraulic engine with pistons.
- ▶ Swinging forged forestry hammers 360°, fixed tooth with tip in tungsten or blades DRR.
- ▶ Flow 150 - 160 l/min.

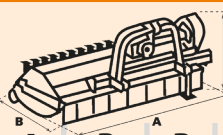


CABEZAL F4

- ▶ Pressure 350 bar.



MODEL

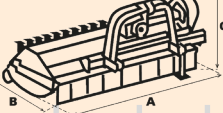
															
	mm	HORSE POWER min. req. max. aut.				KG	Nº BELTS TYPE		A mm	A in	B mm	B in	C mm	C in	max.
T-1000	1000	150-160 l/min	350 bar	9	26	14	900	4 XPC	1280	50"	1150	45"	803	32"	2000
T-1250	1250	150-160 l/min	350 bar	9	32	16	1024	4 XPC	1530	60"	1150	45"	810	32"	2000
T-1500	1500	150-160 l/min	350 bar	12	38	20	1172	4 XPC	1780	70"	1150	45"	810	32"	2000
T-1600	1600	150-160 l/min	350 bar	12	40	22	1229	4 XPC	1880	74"	1150	45"	810	32"	2000
T-1800	1800	150-160 l/min	350 bar	16	44	24	1325	4 XPC	2080	82"	1150	45"	810	32"	2000
T-2000	2000	150-160 l/min	350 bar	16	50	26	1428	4 XPC	2280	90"	1150	45"	810	32"	2000

CABEZAL F5

+ CO-FIXE TOP

- ▶ Rotor POLSER + of Ø 625 mm.
- ▶ Non-wear steel-plate chassis, thickness 10 mm.
- ▶ Head for mini excavators of weight between 25 and 50 t.
- ▶ Suitable for the maintenance of greenspaces, riverbanks, bushes up to Ø 250 mm.
- ▶ Hydraulic engine with pistons.
- ▶ Swinging forged forestry hammers 360°, fixed tooth with tip in tungsten or blades DRR.
- ▶ Flow 200 - 220 l/min.
- ▶ Pressure 350 bar.

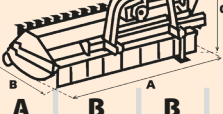


MODEL	 mm	 HORSE POWER min. req. max. aut.				 KG	N° BELTS TYPE		A mm	A in	B mm	B in	C mm	C in	 max.
T-2000	2000	200-220 l/min	350 bar	20	50	26	1820	5 XPC	2278	90"	1316	52"	912	36"	1800
T-2300	2300	200-220 l/min	350 bar	20	56	30	2250	5 XPC	2580	102"	1316	52"	912	36"	1800


420+
POLSER


CABEZAL MF-2

- ▶ Rotor POLSER + of Ø 420 mm.
- ▶ Non-wear steel-plate chassis, thickness 6 mm.
- ▶ Mulcher for head compact track loader having a weight until 5 t.
- ▶ Suitable for the maintenance of greenspaces, forest maintenance, industrial gardening and bushes up to Ø 60 mm.
- ▶ Hydraulic gear motor.
- ▶ Flow 70 - 80 l/min.
- ▶ Pressure 180 bar.

MODEL	 mm	 HORSE POWER min. req. max. aut.			 KG	N° BELTS TYPE		A mm	A in	B mm	B in	C mm	C in	 max.
T-1400	1400	70-80 l/min	180 bar	40	12	560	3 XPB	1610	63"	940	37"	726	29"	2500
T-1600	1600	70-80 l/min	180 bar	48	16	600	3 XPB	1810	71"	940	37"	726	29"	2500
T-1800	1800	70-80 l/min	180 bar	48	16	638	3 XPB	2010	79"	940	37"	726	29"	2500

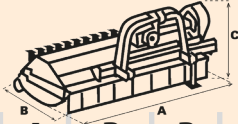
CABEZAL MF-3

+  -FIXE TOP-

- ▶ Rotor POLSER + of Ø 470 mm.
- ▶ Non-wear steel-plate chassis, thickness 8 mm.
- ▶ Mulcher for head compact track loader having a weight between 3 and 9 t.
- ▶ Suitable for the maintenance of greenspaces, forest maintenance, industrial gardening and bushes up to Ø 100 mm for a rotor with swinging hammers, and up to Ø 350 mm with a rotor with fixed tooth carbide.
- ▶ Hydraulic engine with pistons.
- ▶ Swinging forged forestry hammers 360°, fixed tooth with tip in tungsten or blades DRR.
- ▶ Flow 90 - 100 l/min.
- ▶ Pressure 350 bar.



Hydraulic Heads

MODEL							N° BELTS TYPE							
	mm	HORSE POWER min. req. max. aut.						A mm	A in	B mm	B in	C mm	C in	max.
T-1400	1400	90-100 l/min 350 bar	12	36	18	793	3 CX	1635	64"	995	39"	812	32"	2200
T-1600	1600	90-100 l/min 350 bar	16	44	22	897	3 CX	1835	72"	995	39"	812	32"	2200
T-1800	1800	90-100 l/min 350 bar	16	50	24	957	3 CX	2035	80"	995	39'	812	32"	2200
T-2000	2000	90-100 l/min 350 bar	20	50	26	1015	3 CX	2235	88"	995	39'	812	32"	2200

INSTAGRAM



YOUTUBE



FACEBOOK



WEB



Notes

Notes

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