



SPECIFICATIONS

valid from 1st of February 2024



Dipperfox an ultimate stump removal tool



Dipperfox at a glance



10 times faster than other known stump removal methods



No waste to utilize left behind (grinded stump will be used as fertilizer for the ground)



Can be used with any excavator between 14 to 30 tons



Automatic speed/torque adjustment (built-in long lasting 2 speed planetary gearbox)



No electricity, no cables to connect (fully hydraulic operation)



Unit can be stored in outside conditions (no sensitive electronics, no corrosion on contacts)



Bolt-able consumables (double-sided cutting blades, screw)



Easy to maintain - long (250 hour) oil change cycle



Light weight (575 kg/1267 lb) allows Dipperfox 850 transport to the jobsite on with pick-up truck or car trailer



Reduced noise pollution, compared with grinders – saves operator and saves people surrounding the job-site.



Unique in its class – patented technology



Developed and engineered by excavator entrepreneur, who has 20+ years of experience in excavator fleet management



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Dipperfox Stump Crusher 850 Pro

Dimensions	metric	imperial
Cutting diameter	850 mm	33.5 in
Drilling depth (from the ground)	900 mm	35.4 in
Working pressure	180-350 bar	2610-5076 PSI
Hydraulic flow min-max	110-230 L/min	29-61 gpm
Weight	575 kg	1267 lb

Requirements for carrier excavator		
Excavator size	14-30 tons	30 800-66 000 lb
Excavator engine power (hp)	74-130 kW	100-176 hp

Gearbox	2-speed planetary gearbox	
1st-gear torque Nm	43000 N	31700 ft lbf
1st-gear rotation speed	30 RPM*	30 RPM*
2nd-gear torque Nm	21000 N	15500 ft lbf
2nd-gear rotation speed	60 RPM*	60 RPM*

Performance		
Stumps per hour	up to 180* (<85cm)	up to 180* (<33.5 in)
Drilling speed per stump	20 sec* (<85cm)	20 sec*(<33.5 in)
Cutting step/chip thickness	40-50 mm	1.57 - 1.96 in

Consumables		
Boltable blades (2 side)	+	+
Replaceable center screw	+	+

*Tested @ 330bar and 230l/min

Hydraulic outputs		
Oil forward and backflow A	25S - M36x2	1"
Oil forward and backflow B	25S - M36x2	1"
Drain back valve C	15L - M22x1,5	1/2"



Dipperfox Stump Crusher 600



Dimension	metric	imperial
Cutting diameter	600 mm	23.62 in
Drilling depth (from the ground)	700mm	27.56 in
Working pressure	150-250bar	2175-3629 PSI
Hydraulic flow min-max	65-150 l/min	17-39 gpm
Weight	285 kg	628 LB
Requirements for carrier		
Excavator (EXC)		
Excavator size	6-14 tons	6-14 tons
Excavator engine power	35-83 kW	47-111 hp
Backhoe Loader (BHL)		
BHL size	6-14 tons	6-14 tons
BHL engine power	50-80 kW	67-107 hp
Compact Track Loader (CTL)		
CTL size	2-6 tons	2-6 tons
CTL engine power	40-80 kW	54-107 hp
Skid Steer Loader (SSL)		
SSL size	2-6 tons	2-6 tons
SSL engine power	40-80 kW	54-107 hp
Gearbox		
1st-gear torque Nm	16900 N	12465 ft lbf
1st-gear rotation speed	37 RPM*	37 RPM*
2nd-gear torque Nm	10800 N	7966 ft lbf
2nd-gear rotation speed	57 RPM*	57 RPM*
Performance		
Stumps per hour (<60cm)	up to 60*	up to 60*
Drilling speed per stump (<60cm)	ca 60 sec*	ca 60 sec*
Cutting step/chip thickness	5-15 mm	0.2-0.59 in
Consumables		
Boltable blades (2 side)	+	+
Replaceable center screw	+	+
Hydraulic outputs		
Oil forward and backflow A	20S - M30x2	3/4"
Oil forward and backflow B	20S - M30x2	3/4"
Drain back valve C	15L - M22x1.5	1/2"

*tested 230bar and 100 l/min

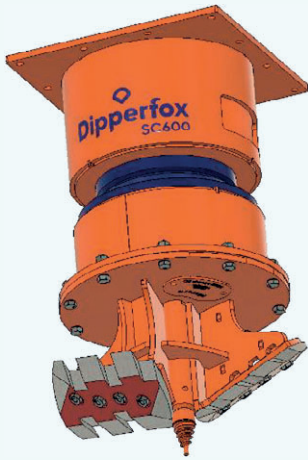


Dipperfox Stump Crusher 400

Dimension	metric	imperial
Cutting diameter	400 mm	15.75 in
Drilling depth (from the ground)	590 mm	23.23 in
Working pressure	110-250 bar	1595-3629 PSI
Hydraulic flow min-max	30-130 l/min	8-34 gpm
Weight	195 kg	430 LB
Requirements for carrier		
Excavator (EXC)		
Excavator size	1.5-5 tons	1.5-5 tons
Excavator engine power	12-35 kW	16-47 hp
Backhoe Loader (BHL)		
BHL size	3-6 tons	3-6 tons
BHL engine power	35-60 kW	47-81 hp
Compact Loader (CTL)		
CTL size	1-2.5 tons	1-2.5 tons
CTL engine power	14-45 kW	19-61 hp
Skid Steer Loader (SSL)		
SSL size	1-2.5 tons	1-2.5 tons
SSL engine power	15-55 kW	20-75 hp
Gearbox		
2-speed planetary gearbox	2-speed planetary gearbox	2-speed planetary gearbox
1st-gear torque Nm	13700N	10105 ft lbf
1st-gear rotation speed	31 RPM*	31 RPM*
2nd-gear torque Nm	8600 N	6343 ft lbf
2nd-gear rotation speed	48 RPM*	48 RPM*
Performance		
Stumps per hour (<40cm)	up to 40*	up to 40*
Drilling speed per stump (<40cm)	ca 50 sec*	ca 50 sec*
Cutting step/chip thickness	5-15 mm	0.2-0.59 in
Consumables		
Boltable blades (2 side)	+	+
Replaceable center screw	+	+
Hydraulic outputs		
Oil forward and backflow	14S-M22x1,5	1/2"
Oil forward and backflow	14S-M22x1,5	1/2"
Anti-drain back valve	10L-M16x1,5	1/4"

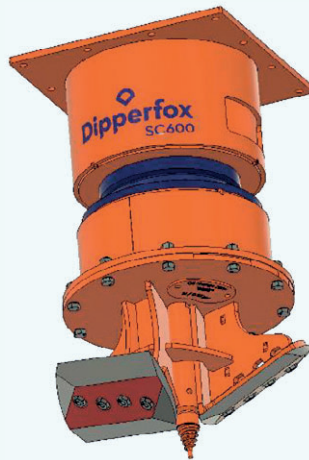
*tested 180bar and 44 l/min

Stump Crusher + T-Shape Cutting Tip



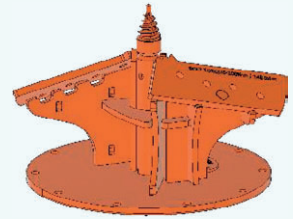
DFSD600_TCT_X4_T

Dipperfox Stump Crusher 600
(T-shape cutting tip
X4+toothed blades)



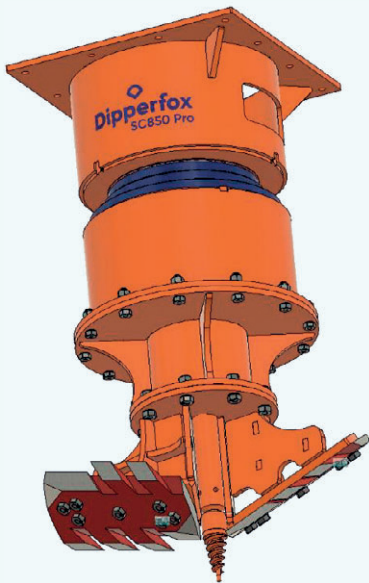
DFSD600_TCT_X4_S

Dipperfox Stump Crusher
60 (T-shape cutting tip
X4+straight blades)



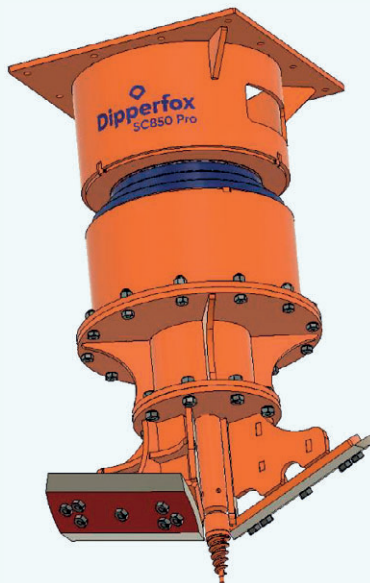
DFSD600_T_CT_X4

DF SC600 T-shape cutting tip
(600 mm+X4; blades are not
included)



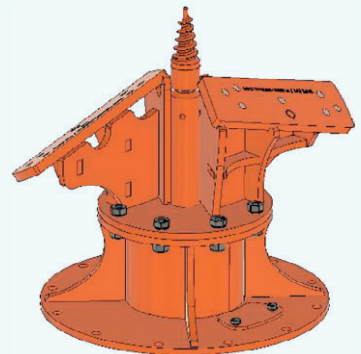
DFSD850PRO7_TCT_X5_T

Dipperfox Stump Crusher
850 Pro. Adapter +
T-shape cutting tip X5
+toothed blades



DFSD850PRO7_TCT_X5_S

Dipperfox Stump Crusher
850 Pro. Adapter +T-shape
cutting tip X5 +straight
blades)



DFSD850PRO_T_CT_X5_AD

DF SC850Pro T-shape cutting
tip (adapter + 850mm X5;
blades are not included)

Dipperfox Splitting Cone



Cone splitter is an attachment that turns your world's most effective stump crusher into the world's most effective cone splitter in just within 15 minutes.

As there are 4 parallel crests in our splitting cone with a massive 30 mm (1,2 ") thread pitch. This means that each revolve goes as deep as 150 mm/5,9" into the tree trunk.

The tip of the cone splitter is made from Toolox 44. It is a pre-hardened steel for extrusion dies and engineering components, produced by SSAB. Its hardness (HBW) is 410-475 which is the same as wear resistant steel Hardox 450. The tip is also replaceable.



Splitting cone for SC400
DF_400_AD_CS
3 cone modules
adapter + bolts



Splitting cone for SC600
DF_600_AD_CS
6 cone modules
adapter + bolts



Splitting cone for SC850Pro
DF_850PRO_AD_CS
6 cone modules
adapter + bolts



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