

MADE IN ITALY



# OMEF<sup>®</sup> GROUP

FORESTRY EQUIPMENT MANUFACTURER



# SOLARIS

QUALITY ATTACHMENTS



# YOUR FORESTRY PARTNER FOR OVER 30 YEARS



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Solaris Attachments was established to put you, the contractor & equipment dealer, at the center of what matters to us: Exceptional customer service.

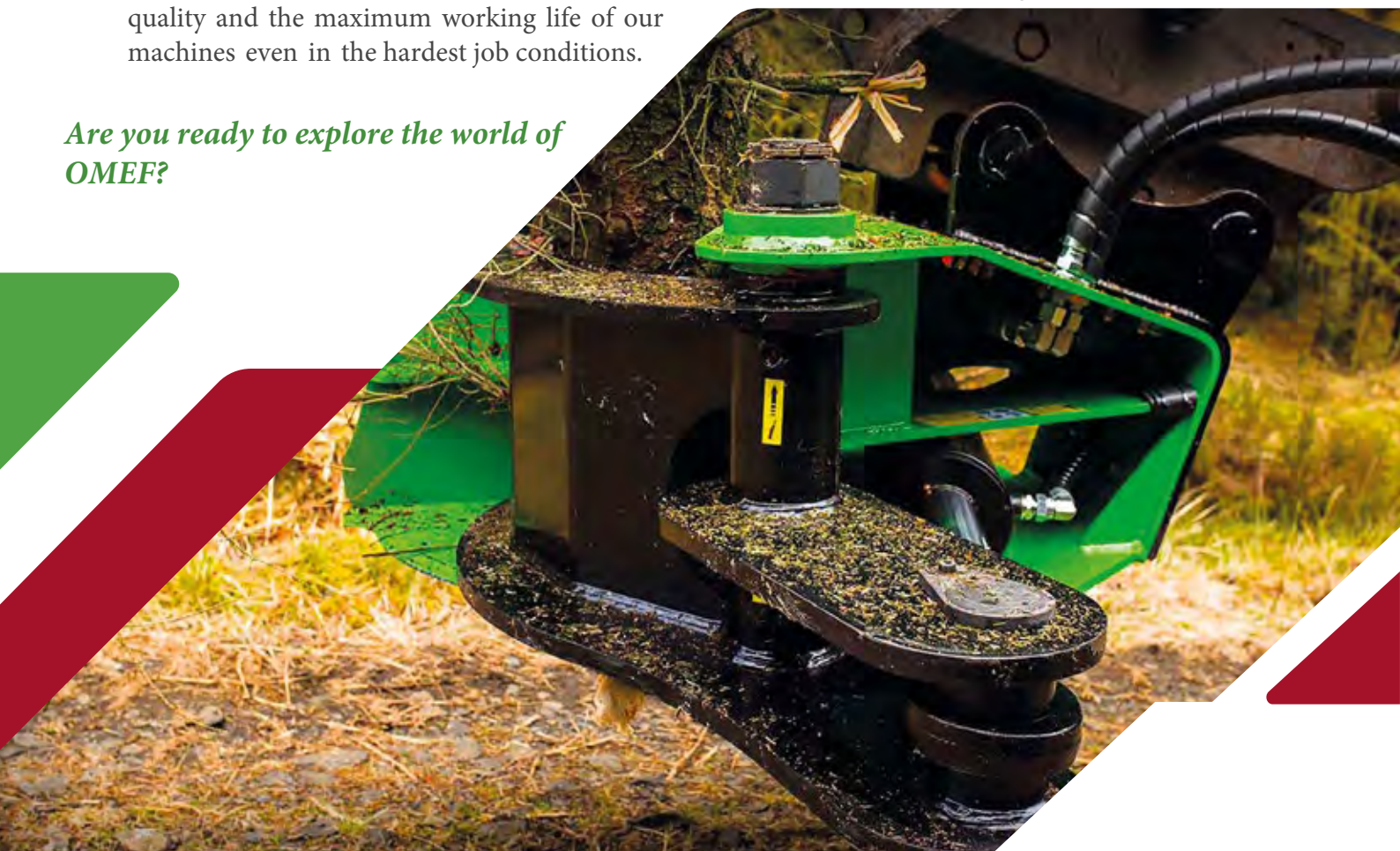
With decades in combined experience in manufacturing & distributing innovative, quality attachments, spare parts, engineering services, machining, and custom design, you can expect to speak with an expert about any of our products or services. We will be there for you far beyond the purchase to help you and your customers with all your attachment needs.

**OMEF** is a worldwide leading company in forestry industry and green maintenance,

Established in 1991, OMEF is present in **over 40 different countries** with an official dealer network, offering our customers the best tailor made solution.

OMEF guarantees a **100% Made in Italy** product entirely designed and manufactured in our headquarter. The best raw materials used ensure the highest standards of quality and the maximum working life of our machines even in the hardest job conditions.

*Are you ready to explore the world of  
OMEF?*



Continuous research, continuous design,  
continuous improvements.



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We have never looked back,  
this is why we are  
your best choice  
in the forestry field.



## PRODUCTION



**01.**  
RESEARCH



**02.**  
DESIGN



**03.**  
CUTTING



**04.**  
ASSEMBLY



**05.**  
WELDING



**06.**  
TEST



**07.**  
PAINTING



**08.**  
DELIVERY



# BIG INCH

“ OMEF Big Inch is a real game changer for vegetation clearing. Nothing more than strong and simple, the geometry and ram speak for themselves.

Eddie from UK

“







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## TREE SHEAR “BIG INCH”

Big Inch was born from the idea to combine simplicity, efficiency and versatility in a single machine, joined with an in-depth design and engineering study. The result is a worldwide success: designed to work on any type of wood, “Big Inch” is able to grab, cut and hold the plant at the same time.

The efficiency of the “Big Inch” shear is granted by the quality of raw material used. OMEF relies only on wear resistant XAR steel that makes the tree shear incredibly strong and robust and it ensures an outstanding performance even in the most extreme working conditions.

The integrated blade, which provides the highest levels of resistance, hardness and toughness, has a patented and unique profile in the world, making “Big Inch” capable of cutting down plants with a quick and neat cut.

Based on these elements, OMEF has developed the largest range of tree shears on the market with six models available. Big Inch can be fitted on operating machines

starting from 2 t up to 50 t and it can be customized with several accessories able to increase the efficiency and productivity, offering the best tailor made solution for all forestry professionals.

This attachment is suitable for tractor cranes, mini loaders, mini diggers, telescopic handlers and excavator from 2,3 up to 24 tons.

Robust and versatile machine, it is suitable for breakdowns. The high performance hydraulic cylinder operates the grab allowing the trunk cut and its contemporary holding and locating.

It reduces the movements of the operating machine and speeds up the consequent loading, chipping and shredding phases.





# TREE SHEAR



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# BI100



## TREE SHEAR “BIG INCH” – BI100

The little of “BIG INCH” family, only apparently. Equipped with a 10 t of force cylinder, it allows a neat and quick cut up to 6” diameter, transforming your mini excavator from 1.5 t to 3 t, into an efficient forestry machine.

Robust and versatile tree-shear, suitable for small breakdowns.


It is an attachment for tractor cranes, mini loaders, mini diggers, telescopic handlers and excavator from 1,5 up to 3 tons.

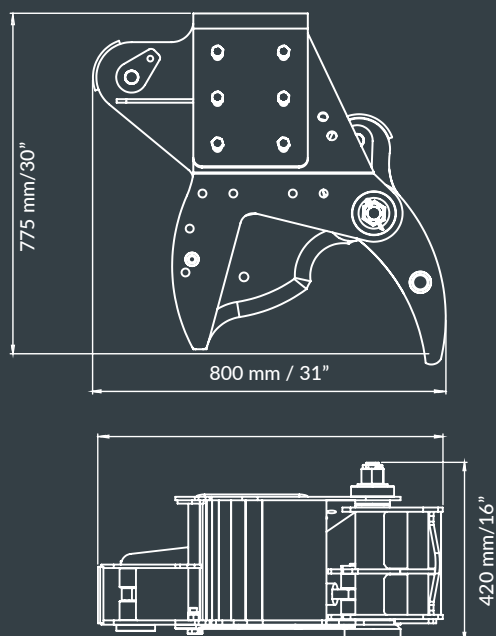
The high performance hydraulic cylinder operates the grab allowing the trunk cut and its contemporary holding.

It reduces the movements of the operating machine and speeds up the consequent loading, chipping and shredding phases.



## TECHNICAL INFORMATION

	1,5 - 3 tons
	310 lbs
	1,5"
	6"
	2610 - 2900 psi (min-max)
	7 - 16 gal/ min (min-max)





## BI200



### TREE SHEAR “BIG INCH” – BI200

The little of “BIG INCH” family, only apparently. Equipped with a 20 t of force cylinder, it allows a neat and quick cut up to 8” diameter, transforming your mini excavator from 2.5 t to 8 t, into an efficient forest machine.

Robust and versatile machine, suitable for small breakdowns.

It is an attachment for tractor cranes, mini loaders, mini diggers, telescopic handlers and excavator from 2,3 up to 5,5 tons.







The high performance hydraulic cylinder operates the grab allowing the trunk cut and its contemporary holding.

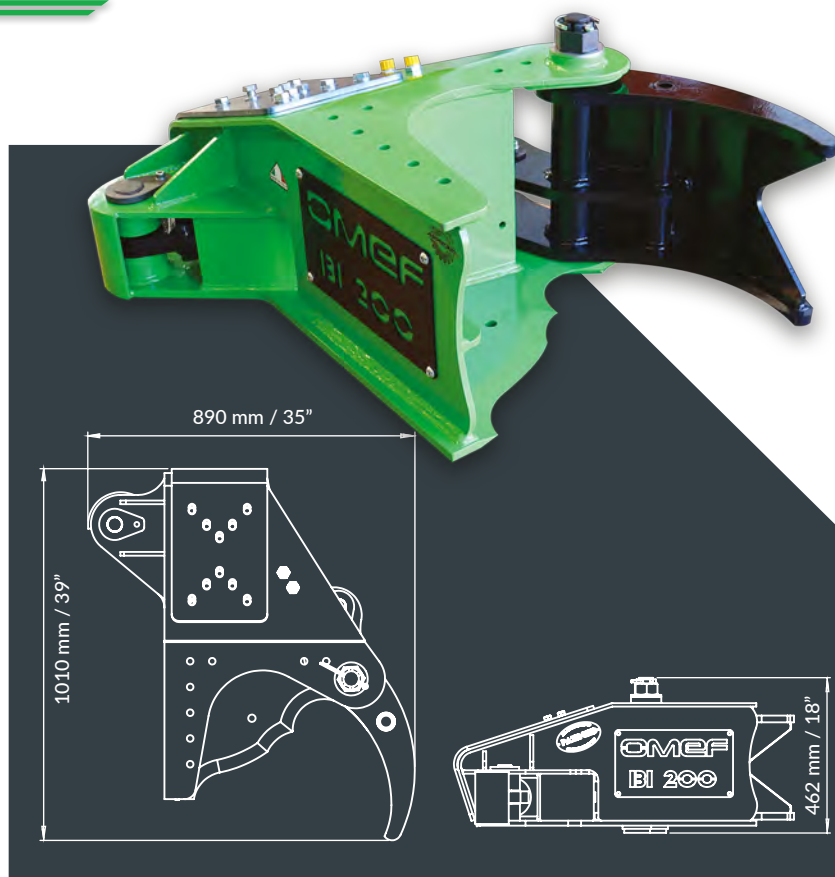
It is equipped with a Hardox XAR500 blade that guarantees a clean and quick cut.

It reduces the movements of the operating machine and speeds up the consequent loading, chipping and shredding phases.



## TECHNICAL INFORMATION

	2.5 - 8 tons
	507 lbs
	2"
	8"
	2610-3625 psi (min-max)
	8-21 gal/min (min-max)



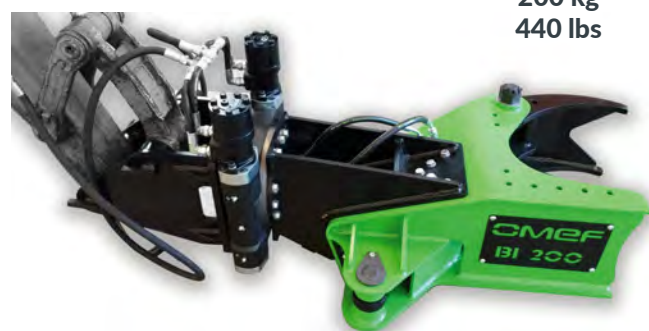
*Compose your OMEF TREE SHEAR*

## ACCESSORIES



80 kg  
175 lbs

**BUNCHER:** created and designed to collect small trunks together increasing the tree shear efficiency.



200 kg  
440 lbs

**360° ROTATION**



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## TREE SHEAR

# BI300



## TREE SHEAR “BIG INCH” – BI300

The most popular unit of the range. Suitable for medium-size operating machines, between 7 – 18 t. The performance allows high productivity and a cutting capacity up to 12” diameter. Equipped with a 33 t cylinder of force.

Robust and versatile machine, suitable for breakdowns.

It is an attachment for excavator from 8 up to 18 tons.







The high performance hydraulic cylinder operates the grab allowing the trunk cut and its contemporary holding.

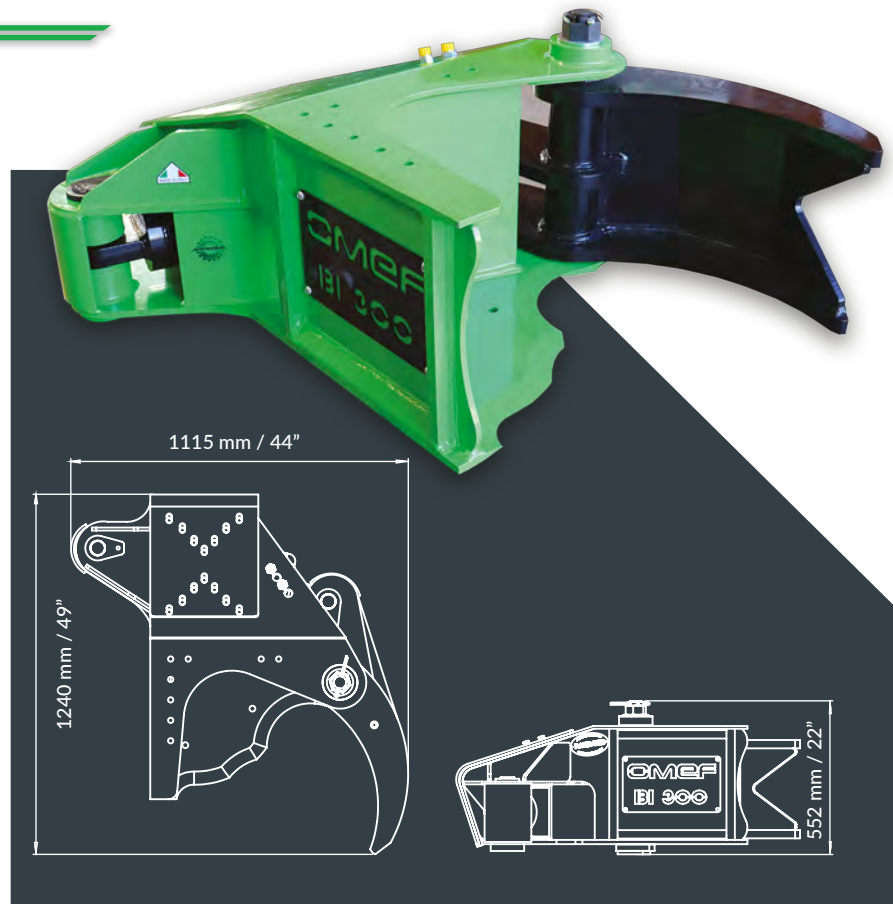
Entirely made of special S700MC steel, which makes it lighter and more powerful. It is equipped with an integrated XAR500 Hardox blade that guarantees a clean and quick cut limiting the operating costs.

It reduces the movements of the operating machine and speeds up the consequent loading, chipping and shredding phases.



## TECHNICAL INFORMATION

	7 - 18 tons
	925 lbs
	2.5"
	12"
	2610-4350 psi (min-max)
	13-32 gal/min (min-max)



Compose your OMEF TREE SHEAR

## ACCESSORIES



**BUNCHER:** created and designed to collect small trunks together increasing the tree shear efficiency.



360° ROTATION / ROTAZIONE 360°

**KG**  
350 kg  
770 lbs



**RIPPER**

**KG**  
185 kg  
410 lbs



## TREE SHEAR

# BI400



## TREE SHEAR “BIG INCH” – BI400

Big unit, like the performance that it guarantees: cylinder with 70 t of force and cutting capacity over 18" diameter; BI400 fits to machines with operating weight from 14 to 24 t.

Robust and versatile machine, suitable for breakdowns.

It is an attachment for excavator from 18 up to 24 tons.

The high performance hydraulic cylinder operates the grab allowing the trunk cut and its contemporary holding.

Entirely made of special S700MC steel, which makes it lighter and more powerful.

It is equipped with an integrated XAR500 Hardox blade that guarantees a clean and quick cut limiting the operating costs.

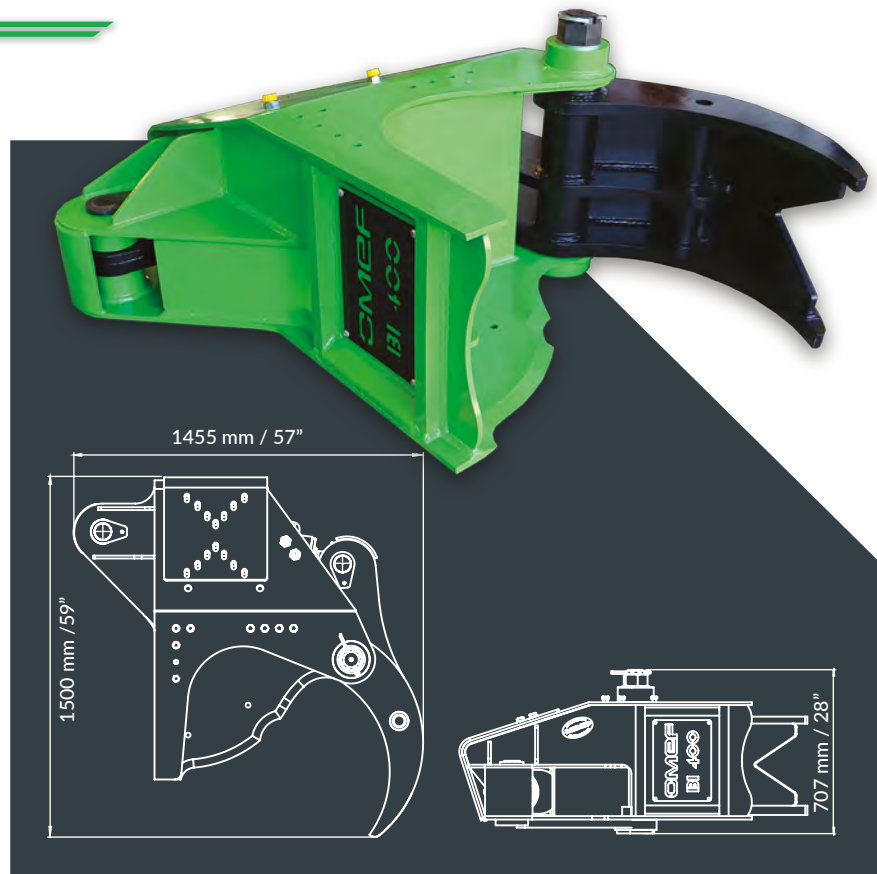
It reduces the movements of the operating machine and speeds up the consequent loading, chipping and shredding phases.



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## TECHNICAL INFORMATION

	14 - 24 tons
	1862 lbs
	5"
	16" / 18"
	3625-5075 psi (min-max)
	21-40 gal/min (min-max)



## Compose your OMEF TREE SHEAR ACCESSORIES



**300 kg**  
**660 lbs**

**GRAB ARM:**  
designed for a  
better control  
during the cutting  
and handling phase  
of the tree.



**215 kg**  
**475 lbs**

**BUNCHER:** created and  
designed to collect small  
trunks together increasing  
the tree shear efficiency.



**500 kg**  
**1100 lbs**

**360° ROTATION /**

**230 kg**  
**510 lbs**

**RIPPER**



**145 kg**  
**320 lbs**

**HOLDER:** designed  
for a better control  
during the handling  
phase of the tree.



# TREE SHEAR



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# BI500



## TREE SHEAR "BIG INCH" – BI500


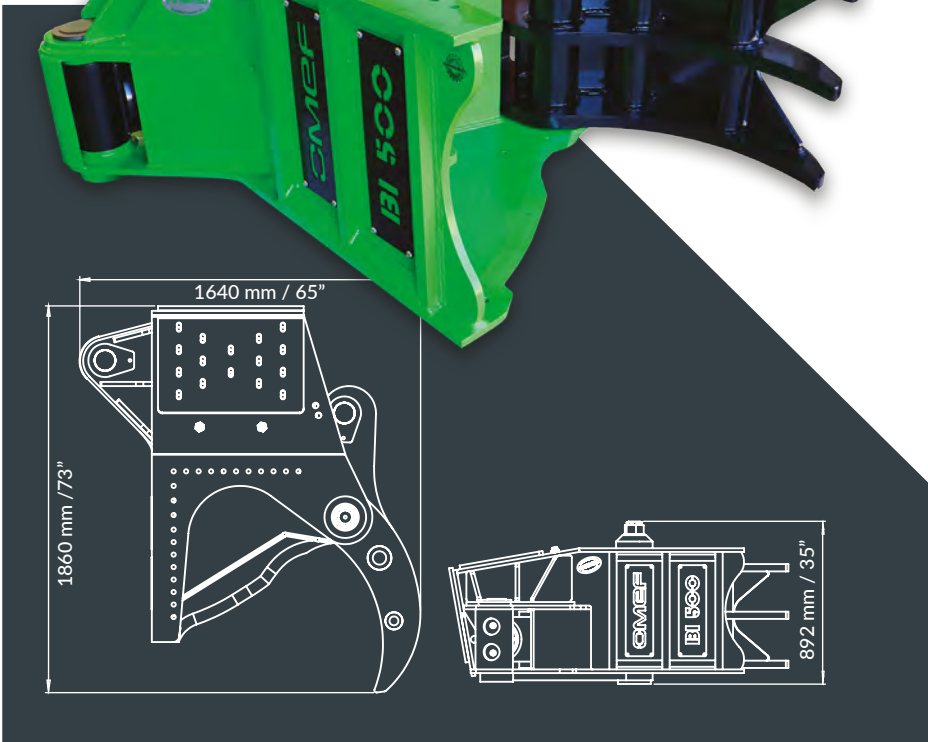





BI500 is the real game changer for big projects. Developed for excavators from 23 t to 40 t, with 110 t cylinder of force, BI500 is able to provide a 24" cutting diameter.

Forestry Tree Shear "Big Inch" manufactured by OMEF-GROUP is produced with the finest materials. Each machine is provided with a system that lets you easily connect it to several excavator models. The high performance hydraulic cylinder operates the grab allowing the trunk cut and its contemporary holding. Entirely made of special XAr400 steel, which makes it lighter and more powerful. It is equipped with an integrated XAR500 Hardox blade that guarantees a clean and quick cut.



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## TECHNICAL INFORMATION

	23 – 40 tons	
	3990 lbs	
	8"	
	500 mm / 600 mm 20" / 24"	
	4350-5075 psi (min-max)	
	48-80 gal/min (min-max)	

*Compose your OMEF TREE SHEAR*

## ACCESSORIES



640 kg  
1410 lbs

**GRAB ARM:** designed for a better control during the cutting and handling phase of the tree.





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**TREE SHEAR**

**BI600**









## TREE SHEAR "BIG INCH" – BI600

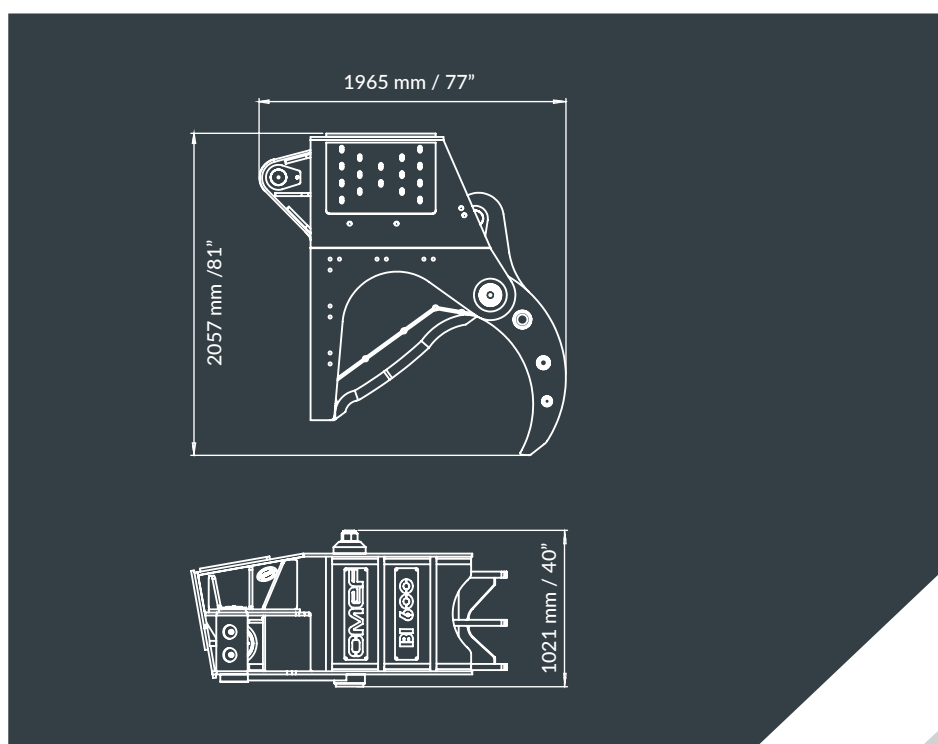


OMEF latest addition. 5280 lbs of pure power; for excavators starting from 30 t of operating weight. Numbers speak for themselves: more than 30 inches of cutting capacity and 140 t of force coming from the huge cylinder.



## TECHNICAL INFORMATION

	30 – 50 tons
	5291 lbs
	11"
	23" / 27"
	4640-5800 psi (min-max)
	66-80 gal/min (min-max)







## OMEF DEALER



Solaris Attachments  
2950 Newmarket St, Unit 316  
Bellingham, WA 98226



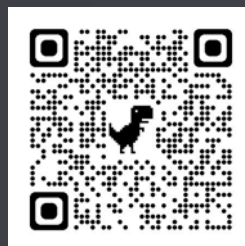
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