

# SATCO®

## SAT630 FELLING GRAPPLE (DIRECTIONAL FELLING HEAD)



Proven in all parts of the world. This very versatile unit enables operators to fall, bunch, stack and shovel whole stems. The 360° continuous rotation allows falling in any possible direction in relation to the base machine. The very first unit was built in 1999 and is still working today with more than 40,000 hours of loyal service proving itself to be the most reliable and efficient saw grapple in the world today. **SATCO®** has units extensively servicing New Zealand, Australia, the United States, Brazil, Chile, Asia, Africa and Canada.

A unique '**HOSE THROUGH CENTRE**' connection to the base machine which allows the hoses to travel through the centre line of the attaching pins. This prevents the hoses over-bending causing premature failure and protects the hoses from damage, especially in tree felling applications.

The **SATCO®** 630 Felling Grapple saw unit is supported by a large 30cm (12") diameter slew bearing making it a very robust unit especially when falling. The saw is a heavy duty auto chain tensioning with a 43" bar with 3/4" chain. **SATCO®** also use a unique locking system for the saw sprocket to prevent broken drive shaft keys and damaged saw motor shafts.

No electrical system down to the felling grapple makes it easy to maintain and allows operator to quickly change to a loading grapple with ease.

Harvester ready option makes installation on harvester ready base easier and can be run in conjunction with a harvester.

360° continuous rotation makes falling large diameter trees easy, a front cut can be put in without having to reposition the base machine.

Weighing in at 2000kgs (4400lbs), and requiring 200lpm (52.8gpm) (US) at 280bar (4000psi) this felling grapple can be attached onto any base machine in the range of 20 - 40 tonne. As well as running the **SATCO®** 630 on larger carriers, the **SATCO®** 630 can also be run on a small carrier as the horsepower requirement is minimal compared to running a fixed disc saw head. These factors all amount to less base machine stress and great fuel efficiency. Giving you the ability to increase your production while bringing down your running costs.

Constructed using high grade materials and manufactured using the best robotic welding wire for a far superior weld.

#### Key features include:

- 8cm (3") pins for strength and long life
- Extra 'dead length' in cylinders for superior seal life
- Oil impregnated bushes for less wear
- Well protected hydraulic system
- Bar release valve for saw chain replacement or tensioning
- Fully hydraulic - no electrical system required down in the grapple
- Removable covers for easy servicing
- 360° continuous rotation - **SATCO® HOSE THROUGH CENTRE** system
- Heavy duty saw with shear bolts to prevent bending swing arm
- Auto saw tensioning

#### Options:

- Optional saw bar out light
- Harvester ready.



**SATCO®**  
LOGGING ATTACHMENTS

**SATCO®** Ltd | 6-14 Satco Drive, PO Box 254 | Tokoroa, New Zealand  
p. +64 (7) 886 4539 | f. +64 (7) 886 4538 | e. admin@satco.co.nz | [www.satco.co.nz](http://www.satco.co.nz)

# SATCO<sup>®</sup>

## SAT630 30" FELLING GRAPPLE



Weight:	2000kg	4400lbs
Capacity:	12.5 - 80cm	5 - 32"
Close Minimum:	12cm	5"
Open Maximum:	140cm	55"
Rotation:	Heavy duty continuous <b>SATCO<sup>®</sup> HOSE THROUGH CENTRE</b>	
Saw: (Auto chain tensioning)	Heavy duty 43" saw bar - 3/4" chain, max cut 95cm (38") 45cc Rexroth motor	
Carrier Size:	24 - 40 tonne	

The **SATCO<sup>®</sup> 630 Felling Grapple** is the most versatile saw grapple on the market, its resume includes:

- Fall and bunch for ground based crews
- Fall and bunch for a swing yarder grapple
- Pulling stems through a static delimber
- Windblown sites - safe for handling fallen or (hung up) stems
- Truck loading
- Woodlots
- Sorting and stacking stems
- Steep slope tethering
- Run with **SATCO<sup>®</sup>** live heal
- Available in a harvester install ready option as well (630E).  
Can be run as a quick change with **SATCO<sup>®</sup>** harvester off same controller.



**SATCO<sup>®</sup>**  
LOGGING ATTACHMENTS

SATCO<sup>®</sup> Ltd | 6-14 Satco Drive, PO Box 254 | Tokoroa, New Zealand  
p. +64 (7) 886 4539 | f. +64 (7) 886 4538 | e. admin@satco.co.nz | [www.satco.co.nz](http://www.satco.co.nz)