

# SATCO<sup>®</sup>

## SAT630FH 32" CONTROLLED FELLING HEAD



**SATCO** has attachments extensively servicing New Zealand, Australia, The United States, Brazil, Chile, Asia, Africa and Canada

The **SATCO** 630FH fixed felling head is a large capacity fixed felling head.

The wrist that the **SATCO** 630FH is mounted off, has 360 degree continuous rotation. This wrist can be connected directly to any Excavator or Feller buncher bucket C linkage.

The **SATCO** 630FH saw unit is supported by a large 30cm (12") diameter slew bearing making it a very robust unit especially when felling. The saw utilizes a heavy duty **SATCO** auto chain tensioning system with a 43" bar and 3/4" chain.

**SATCO** also use a unique locking system for the sprocket to prevent broken drive shaft keys and damage saw motor shafts. The saw bar has a unique 270 degree rotation making a front cut easy to perform without having to reposition the base machine from felling position.

The wrist is mounted to a large diameter slew ring specially designed for this application. There is 2x purpose built rotate motors used to drive the slew with an override holding relief built into each motor. There is also a float option which can be easily engaged when shoveling or loading.

Starting at 3200kg (7040lbs) and requiring 200 LPM (52.8 gpm) (US) at 280 Bar (4000 psi) this felling head does not require much from the matched 24-35 tonne base machine it is connected to.

The **SATCO** 630FH advantage over a dangle type felling head is where there is an application for controlled felling. The **SATCO** 630FH can also be used to shovel, load

a truck and has an advantage on steep slope to assist in support of base machine. The **SATCO** 630FH is also useful for sweeping the skid site or forming a track on a steep hill side.

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

#### Key features include:

- 8 cm (3') pins for strength and long life
- Extra "dead length" in cylinders for superior seal life
- Oil impregnated bushes for less wear
- Well protected hoses and valves with easy access for service
- Bar release valve for saw chain replacement or tensioning
- Removable covers for easy servicing
- 360 continuous rotation
- Heavy duty saw and swing arm with 270° rotation
- **SATCO** Auto tensioning
- Saw bar out light
- Self Leveling Sensor
- Saw Limiter - Diameter Measurement
- LogMaker controller with easy upgrade to add LogMapper



**SATCO<sup>®</sup>**  
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>

## SAT630FH 32" CONTROLLED FELLING HEAD



Weight:	3200kg	7040lbs
Capacity:	12.5 - 82cm	5 - 32"
Close Minimum:	12cm	5"
Open Maximum:	140cm	55"
Rotation:	Heavy duty continuous 62kN-m Torque	
Saw: (Auto chain tensioning)	Heavy duty 43" saw bar - 3/4" chain, max cut 95cm (38") 45cc Rexroth motor	
Carrier Size:	24 - 35 tonne	

The **SATCO** 630FH Felling Head is a versatile saw head, its resume includes:

- Fall and bunch for ground based crews
- Fall and bunch for a swing yarder grapple
- Windblown sites - safe for handling fallen or (hung up) stems
- Truck loading
- Woodlots
- Sorting and stacking stems
- Steep slope tethering
- Controlled felling of trees



**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)