DYMAX INC

BUILT TO LAST.

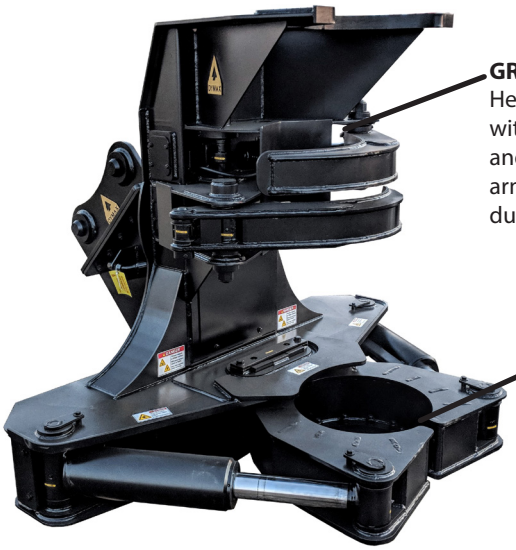
HPX EXCAVATOR TREE SHEARS

OVERVIEW

DYMAX HPX Excavator Tree Shear is the perfect tool for forest utility work, hazardous fuel removal such as dead undergrowth or diseased trees from forest lands, plantation thinning of acacia and eucalyptus, biomass fuels production and trimming limbs and trees for roadside maintenance and site development or alongside railroad tracks.

In plantation thinning operations of Acacia and Eucalyptus a Dymax Excavator Tree Shear can produce cut rates up to 180 trees per hour and more. This yields a much higher volume of wood felled than competing models. Cutting rates are subject to tree spacing and operator skill.

Dymax HPX Tree Shears deliver 2x the power when cutting compared to single blade designs. Easily cut and hold trees and safely bring them down to the ground. Excellent for working around roadsides, railways lines or powerlines. Remove workers from harm's way using chainsaws in bucket trucks or on the ground.



GRAPPLE TOWER
Heavy duty tube frame with integrated valves and hi strength grapple arms deliver long lasting durability.

CUTTING ARMS
High tensile strength steel delivers long lasting life and performance in hardwood applications.

MACHINE ADAPTER
Bolt on machine adapter allows customers to adapt to variety of machines within operating class.

DYMAX

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STANDARD FEATURES

- Powerful grapples secure trees allowing operators to place into collection piles.
- Twin shear cylinders deliver more shearing force than single blade designs, with twice the force per square inch of knife over competitive brands.
- Replaceable AR400 specialized cutting knives provide up to 1,500 hours of service life.
- Cuts hardwoods or softwoods.
- Standard HPX shears feature twin grapple arms that operate through a sequence
  valve allowing the grapples to close first, prior to cutting the tree.
- Chrome plated main shear arm pins with replaceable bushings.
- Capacities from 8 inch to 21inch diameter subject to excavator or backhoe size.
- Clear more trees near power or transmission lines, lot or land clearing, hazard fuels reduction including dead or diseased trees, biomass or plantation thinning.
- No more chainsaw men needed when you get a Dymax HPX Excavator Tree Shear.

ROTATOR SYSTEMS

Optional 60 or 180 degree rotator allows customers to adjust to the tree or limb when cutting and improves performance in congested worksites when felling.

Specifications are subject to change without notice.

Model	Description	Weight Approx KGS	Min Machine
HPX - GRAPPLE ONLY **Standard Features:** *HPX frame group • AR400 cutting knives • Powerful hi-strength cylinders • Twin shear arms with dual grapples • Chromed plated pivot pins and bushings • Bolt on excavator head plate with pins.* **Hydraulic Requirements:** Excavators require (1x) (Two-Way) circuit for operation. Flow rates vary per model: Shear/Grapple Circuit HPX8, HPX10 = 10-20 GPM @ 3000psi; HPX14, HPX16 = 20-30 GPM @ 3500psi; HPX18, HPX21= 30-40 GPM @ 4000psi			
DX-TS-FG-HPX8	Tree Shear - Forestry Grapple - HPX 8" max diam. cut	385	5t
DX-TS-FG-HPX10	Tree Shear - Forestry Grapple - HPX 10" max diam. cut	615	8t
DX-TS-FG-HPX14	Tree Shear - Forestry Grapple - HPX 14" max diam. cut	1270	14t
DX-TS-FG-HPX16	Tree Shear - Forestry Grapple - HPX 16" max diam. cut	1385	18t
DX-TS-FG-HPX18	Tree Shear - Forestry Grapple - HPX 18" max diam. cut	2155	21t
DX-TS-FG-HPX21	Tree Shear - Forestry Grapple - HPX 21" max diam. cut	2725	25t
60° ROTATION MODELS **Standard Features:** *60 degree rotator system with HPX frame group • AR400 cutting knives • Powerful hi-strength cylinders • Twin shear arms with dual grapples • Chromed plated pivot pins and bushings • Bolt on excavator head plate with pins* **Options:** *24v electro hydraulic kit for rotator system available.* **Hydraulic Requirements:** Excavators require (1x) (Two-Way) circuit for operation. Flow rates vary per model: Shear/Grapple Circuit HPX8, HPX10 = 10-20 GPM @ 3000psi; HPX14, HPX16 = 20-30 GPM @ 3500psi; HPX18, HPX21= 30-40 GPM @ 4000psi			
DX-TS-FGT-HPX14x60	Tree Shear - Forestry Grapple Tilt - HPX 14" max diam. cut x 60 degree rotation	1565	16t
DX-TS-FGT-HPX16x60	Tree Shear - Forestry Grapple Tilt - HPX 16"max diam. cut x 60 degree rotation	1655	18t
DX-TS-FGT-HPX18x60	Tree Shear - Forestry Grapple Tilt - HPX 18" max diam. cut x 60 degree rotation	2495	22t
DX-TS-FGT-HPX21x60	Tree Shear - Forestry Grapple Tilt - HPX 21" max diam. cut x 60 degree rotation	3085	30t
180° ROTATION MODELS **Standard Features:** *180 degree rotator system with HPX frame group • AR400 cutting knives • Powerful hi-strength cylinders • Twin shear arms with dual grapples • Chromed plated pivot pins and bushings • Bolt on excavator head plate with pins* **Options:** *24v electro hydraulic kit for rotator system available.* **Hydraulic Requirements:** Excavators require (2x) (Two-Way) circuits for operation. Flow rates vary per model: Shear/Grapple Circuit: HPX16 = 20-30 GPM @ 3500psi; HPX18, HPX21= 30-40 GPM @ 4000psi Rotator Circuit: All models = 8-10 GPM @ 3000psi with drain line requirement. • You must have drain line to tank on machine.			
DX-TS-FGT-HPX16x180	Tree Shear - Forestry Grapple Tilt - HPX 16" max diam. cut x 180 degree rotation	1655	21t
DX-TS-FGT-HPX18x180	Tree Shear - Forestry Grapple Tilt - HPX 18" max diam. cut x 180 degree rotation	2495	25t
DX-TS-FGT-HPX21x180	Tree Shear - Forestry Grapple Tilt - HPX 21" max diam. cut x 180 degree rotation	3085	30t

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