

DYMAX TREE SHEARS for Hydraulic Excavators



10" Forestry Timberwolf



14" Forestry Timberwolf



16" Forestry Timberwolf



18" Forestry Timberwolf



20" Forestry Timberwolf

THE WORLD'S BEST EXCAVATOR TREE SHEARS.

Dymax Tree Shears for excavators are available in 5 cutting capacities ranging from 10 inches in diameter up to 20 inches in diameter. Dymax Tree Shears for excavators are ideal for maintaining rights-of-way along roadsides, rail-road maintenance-of-way clearing, site development, general thinning, hazard fuels reduction programs, harvesting trees for bio-mass fuels and removing diseased trees caused from such infestations as pine beetles. Whether you're a tree clearing company, construction company, county road department, department of transportation or bio mass fuels contractor these shears are useful in any application. It's time to put down your chainsaw, get out of the bucket truck and get into an excavator.

Dymax Tree Shears for excavators pack tremendous power for shearing all types of hardwoods and softwoods. All models except the ROTA-SHEAR, feature grapple arms that secure the tree, allowing operators to place cut trees in desired locations, load into trucks or feed chippers. Accumulator models allow operators to bunch-cut smaller diameter trees using spring loaded arms. All models are available with an optional hydraulic tilting interface that dramatically improves productivity when working on uneven terrain.

Understanding Dymax Tree Shear Model Nomenclature for Hydraulic Excavators

Numeric Capacity Indicator: **10, 14, 16, 18, 20**. Indicates the largest size tree trunk diameter for cutting in one shear cycle.

Model type of shear: **F** - Forestry, with double grapple arms only; **FA** - Forestry with added spring-loaded accumulator arm; **ROT** - rotating shear without grapple arms.

Machine compatability: **X** means Excavator mounted.

Options: **TILT** - optional side-to-side hydraulic tilt is included.

A note about shear cycle times...

Much is often made of the fact that a shear cycle time is measured in multiple seconds, while a high speed saw cycle time is measured in single seconds. Saw manufacturers proclaim that a high speed saw is as much as 5 times as fast as a shear.

What is most often missed is that the time spent positioning the machine for the cut – whether equipped with a saw or a shear – takes anywhere from 15 seconds to as much as a minute or more. The true cycle time from cut to cut must include machine positioning time.

Compare these results, from a live side-by-side test.

Yes, the saw is, perhaps, 10% quicker, but at a much higher initial cost, as well as higher maintenance costs. Shears are proven to be the most cost effective and profitable way to fell and trim trees in land clearing operations.

Cycle	Dymax Shear	Hi-Speed Saw
From full stop, move to tree and position shear/saw to make cut	43 sec.	43 sec.
Cut tree	8 sec.	2 sec.
Lower tree to ground and pull shear/saw away from felled tree	10 sec.	10 sec.
Total	61 sec.	55 sec.

10" FORESTRY TIMBERWOLF TREE SHEARS for 7T - 12T Excavators

7 to 12 Ton Excavators

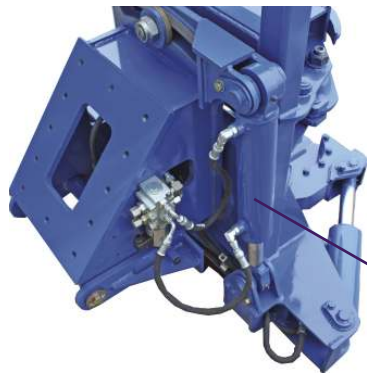
The Dymax 10" Forestry Timberwolf Tree Shear is ideal for 7-12T excavators. Two shear arms power through hardwoods with ease. Each model features two grapple arms that operate through a sequence valve in conjunction with the shearing arms.

The 10" Timberwolf can also be equipped with an optional accumulator arm, which, when used with the standard grapple arms, enables the shear to bunch-cut multiple small trees. Hydraulic tilting models are available for larger machines. These allow operators to adjust laterally while working on uneven terrain.

- Heavy duty frame with two shear arms and two grapple arms.
- Fits specific coupler models or pins directly to the stick.
- Replaceable 3/4" thick Hardox 400 shear blades.
- High strength shearing cylinders
- Dual grapple arms with an optional accumulator bunch-cutting arm. Diverter valve kit provided.



Models 10F.X



Hydraulic tilt interface with diverter valve.

Model 10F.X.TILT

Specifications and Hydraulic Functions

Model	Hydraulic Functions Required
10F.X	1 set of lines with two way flow
10F.X.TILT	1 set of lines with two way flow + diverter valve provided
10FA.X	1 set of lines with two way flow + diverter valve provided
10FA.X.TILT	2 sets of lines with two way flow + diverter valve provided

Cut Cycle Time

(shear arms: from open to close to open)

18 GPM = 5.2 sec.

Cycle times listed will change under pressure during operation. They are also subject to the wood grains, species and for hardwoods and softwoods.

Model	Cutting Capacity in. (mm)	Shipping Dimensions L x W x H in. (mm)	Tilting Degrees	Flow Ratings GPM (LPM)	Pressure PSI (bar)	Weight lb. (kg)
10F.X	10 (254)	45 X 55 X 46 (1143 X 1397 X 1169)	None	15 - 30 (56 - 113)	3200 (220)	1,150 (522)
10F.X.TILT	10 (254)	47 X 55 X 46 (1194 X 1397 X 1169)	30°	15 - 30 (56 - 113)	3200 (220)	1,550 (703)
10FA.X	10 (254)	45 X 55 X 52 (1143 X 1397 X 1321)	None	15 - 30 (56 - 113)	3200 (220)	1,250 (567)
10FA.X.TILT	10 (254)	47 X 55 X 52 (1194 X 1397 X 1321)	30°	15 - 30 (56 - 113)	3200 (220)	1,650 (748)