

# Upsize Tooling - Integral Bearing Swivel Cutter

Part No. FA44634F (11" OD), FA44723F (16" OD HD)

- **Designed For Hard Ground Conditions Leading The Auger/Thrust Casings •**
- **Keeps Pilot Tubes Stationary While Cutter Bit Rotates •**
- **Sized To Match Product Pipe Diameter •**



## FEATURES

- The swivel cutter head is the upsizing tool between the pilot tube adapter and the lead thrust casing for hard ground conditions.
- Cutter head allows pilot tubes to remain stationary while the cutting teeth rotate through ground at a full 12.5" (318 mm) OD for the 11" OD head or 17.5" (445 mm) OD for the 16" OD swivel cutter head.
- Cutter head equipped with fluid ports at the cutter bit reducing cutting torque through lubrication.
- Spoils removed using standard Akkerman augers and casings.
- No external swivel necessary.
- Internal bearings are serviceable for extended life.

### NOTICE

Swivel filled with Mobil 636 Gear oil ONLY. **DO NOT USE GREASE!**

## SPECIFICATIONS

### Swivel

Dimensions (width x length)

11" OD ..... 12.5" OD x 43" (318 x 1,092 mm)

16" OD HD..17.5" OD x 43" (444 x 1,092 mm)

Weight (approx.)

11" OD ..... 700 lbs. (318 kg)

16" OD HD ..... 1,200 lbs. (544 kg)

### Thrust Capacity

11" OD

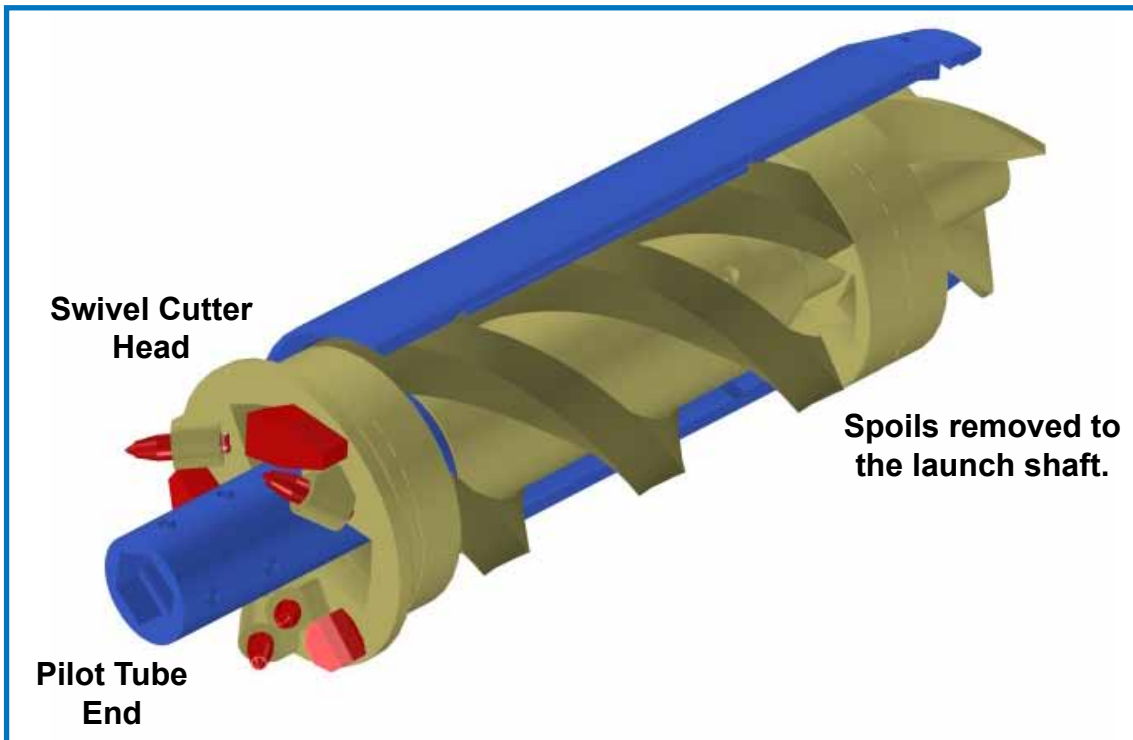
Working Continuous Load ..... 35 Ton

Maximum Intermittent Load ..... 70 Ton

16" OD HD (heavy duty)

Working Continuous Load ..... 50 Ton

Maximum Intermittent Load ..... 100 Ton



The swivel cutter head allows the pilot tubes to remain stationary while the cutting teeth rotate through the ground at a full 12.5" (318 mm) OD or 17.5" (445 mm) OD cut (depending on cutter head). The spoils are removed using the standard Akkerman augers and casings to the launch shaft.



A fluid connector is equipped on the swivel cutter head permitting lubrication of the spoils to reduce jacking forces.



Cutter head with drag and conical bullet bits.



For efficient and productive operation of the swivel cutter head, there must be a minimum jetting supply of 16 gal @2,500 psi.



Swivel cutter head casing and auger mates to the standard Akkerman 11" (279 mm) OD casings and augers.