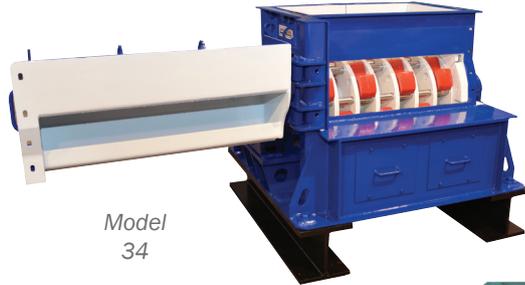




# FT/FTE Flextooth® Crushers

Combining the benefits of the compression crushing concept of roll crushers with the high capacity of impact crushers.



Model 34



Models 45 & 56

FT/FTE Flextooth® Crushers

## Features/Advantages

### Unmatched Versatility

Jeffrey Rader Flextooth crushers are designed for the reduction of ROM coal, for preparation plant feed, rail shipments and feed for fine coal grinding equipment. The Flextooth is particularly suited where a maximum reduction ratio with minimum fines is required.

The Flextooth features a large feed opening and an extended lower housing. Working Together, these features allow the Flextooth to accept large chunks of ROM or frozen coal and, in effect, increase capacity. The need for secondary crushers is often eliminated.

### EZ-Access® Technology (FTE Models)

These hammermills have been redesigned with Jeffrey Rader's exclusive EZ-Access technology, which allows safe, fast and easy access to the hammers, rotor and liners. Now maintenance operators can safely and quickly clear plugged chutes to minimize downtime and perform routine maintenance with more safety and ease.

### Screen Grates

Jeffrey Rader fabricated screen grates, racks & bars and perforated plates are designed to provide the greatest



amount of free open area, allowing the machine to obtain the highest capacity while accurately sizing the material to the specified size. Our screen grates are made of abrasion-resistant materials, but can be supplied with other materials depending on the application and sizing requirements. Our Slant-Flow® grates are unique to our hammermills. Unlike conventional screen sections, the Slant-Flow design is angled into the flow of the material being shredded. This provides more shredding action and allows the material to evacuate faster. The result is less wear on the grates and hammers, and a more uniform product size.

### Heavy-Duty Rotor Design

Our disc-type rotor is assembled on a high-strength, alloy steel shaft and is mounted in rugged stell housings containing self-aligning spherical roller bearings. Rotor discs allow maximum flexibility of hammer arrangements. Jeffrey Rader rotors can be set up with three, four, or six rows of hammers for premium efficiency when shredding to a smaller product size.



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# FT/FTE Flextooth® Crushers

## Features/Advantages (continued from other side)

### Hydraulic Bearing Removal

To substantially reduce maintenance time, the rotor shaft is drilled for the hydraulic removal of the bearings. This ensures quick bearing removal without damaging the shaft.

### Hammer Design

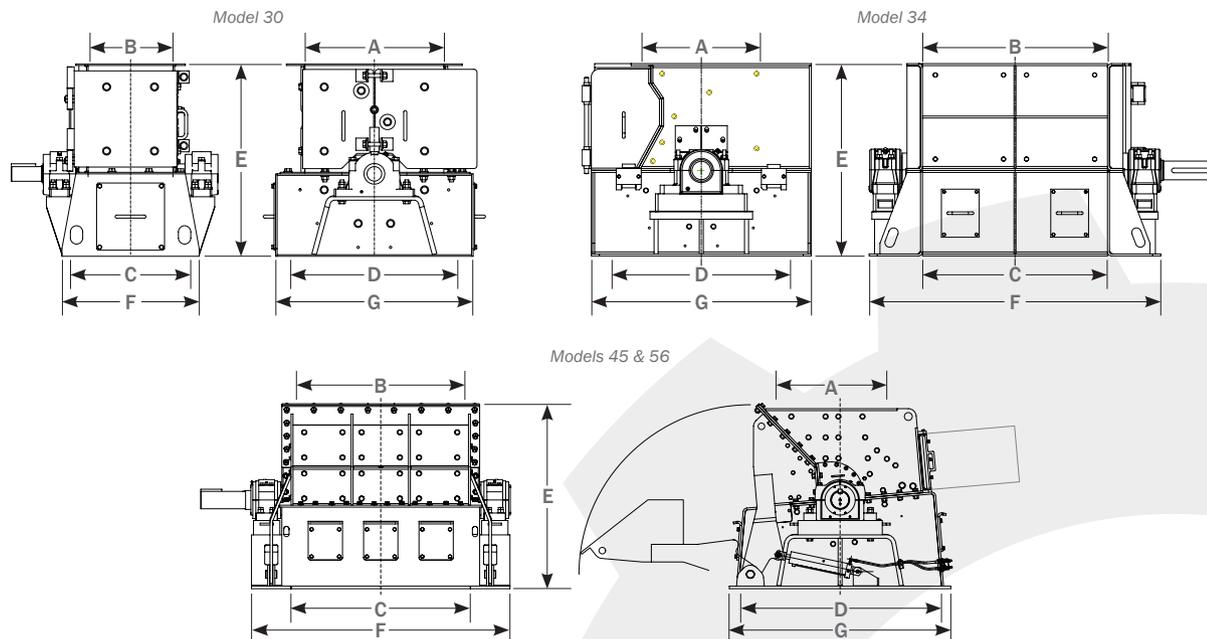
The unique crushing element (hammer) uses a cantilevered movement arm design with the movement controlled by a retainer pin. This hammer design permits the crusher to operate at relatively low speeds which minimizes fines, yet sufficient holdout force is maintained to keep

*Designed for reduction of friable materials using hammers that flex to permit passage of uncrushables.*

the hammer properly extended. By allowing the hammer to flex back away from the crushing circle (zone), protection against damage from tramp metal and other uncrushables is improved.

Flextooth hammer and retainer pins are replaceable. They are made with high-grade steel and heat treated for a high strength and extended life.

## Dimensions and Weights



MODEL NO.	IN. (MM)		APPROXIMATE LAYOUT DIMENSIONS* AND SHIPPING WEIGHTS					LBS (KG)
	FEED OPENING A	B	DISCHARGE OPENING C D		HEIGHT E	WIDTH F	LENGTH G	
30	21" (533)	21.25" (540)	22.5" (572)	35" (889)	36" (914)	40" (1016)	42.25" (1073)	3,000 (1,361)
34	33.5" (851)	21.25" (540)	33.5" (572)	46" (851)	37" (940)	51" (1295)	53" (1346)	4,500 (2,041)
45	41.5" (1054)	25.5" (648)	43.5" (1105)	57" (1448)	55.5" (1410)	63" (1600)	64" (1626)	10,300 (4,672)
56	53.5" (1359)	33.5" (851)	56" (1422)	77" (1956)	63" (1600)	85.5" (2172)	82.5" (2096)	20,200 (9,163)

\*Certified drawings will be furnished for installation. Installation supervision is available.

**CRUSH. FEED. PROCESS. CONVEY. STORE.**

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