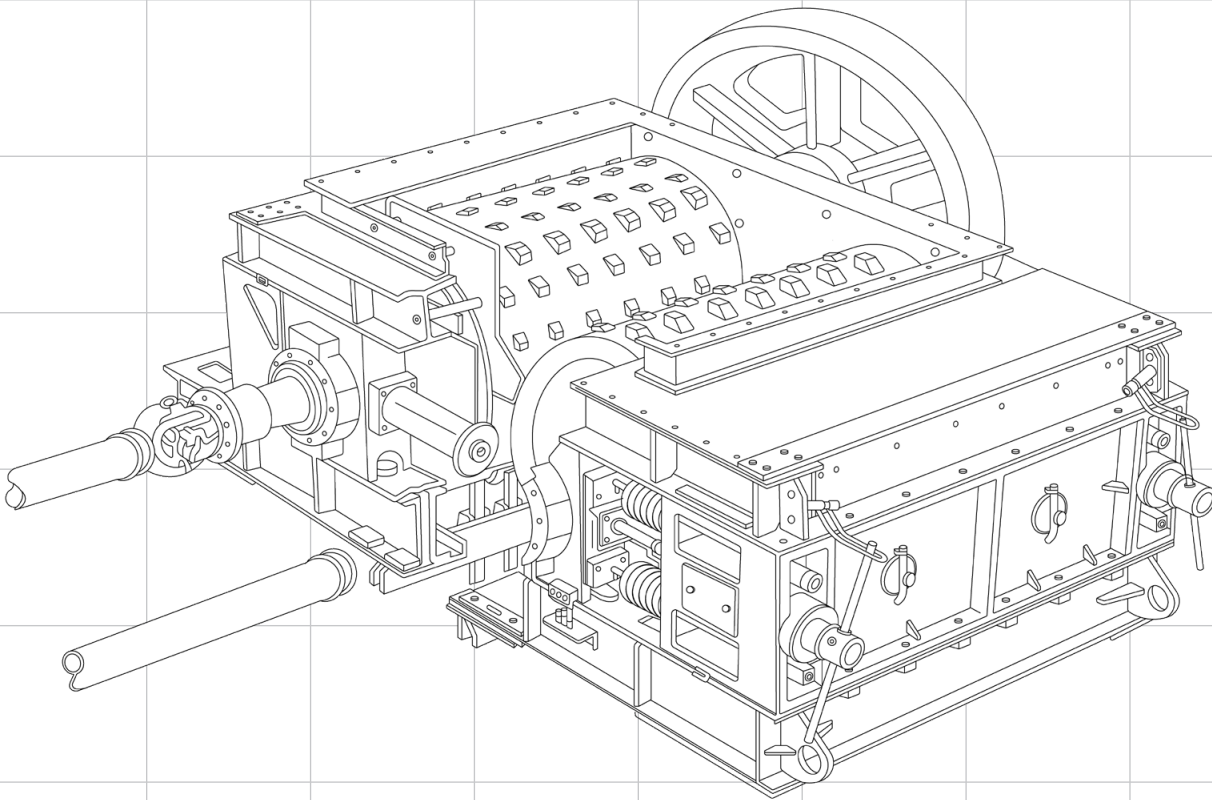




FULLER ROLLER CRUSHER

Reliable primary and secondary crushing of soft, easily fractured materials

RUGGED, **LOW-MAINTENANCE CRUSHING FOR LIMESTONE, CHALK, AND CLAY**

KEY BENEFITS

01

Effective size reduction

02

Adjustable crushing precision

03

Built-in overload protection

04

Low maintenance design

05

Robust construction

06

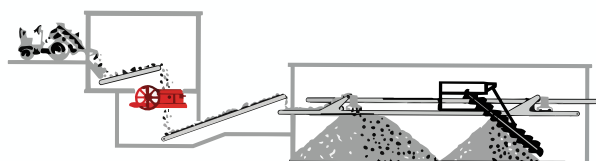
Simple, dependable operation

Application

Roller crushers are used mainly for crushing easily fractured materials such as soft limestone, chalk, and clay.

In the cement industry, roller crushers are employed for primary and secondary crushing. Depending on the hardness of the material concerned, lumps are reduced to between a third and a fifth of their original size. Size reduction is affected by tearing and crushing the material between rollers.

- **Effective size reduction** – Breaks down soft, easily fractured materials like limestone, chalk, and clay to roughly one-third to one-fifth of their original size, suitable for both primary and secondary crushing in cement plants
- **Adjustable crushing precision** – The gap between rollers can be adjusted to control fineness, giving flexibility for different material and process requirements
- **Built-in overload protection** – A plate punching device paired with a motor safety switch automatically stops the crusher and feed if an oversized or overly hard object gets caught between the rollers, protecting the equipment from damage
- **Low maintenance design** – Self-clearing scrapers prevent material buildup on the rollers, while grease-lubricated bearings and oil-lubricated gear teeth keep upkeep simple and infrequent
- **Robust construction** – A welded and cast steel frame combined with durable roller bearings ensures reliable, long-lasting operation
- **Simple, dependable operation** – Easy to run with minimal complexity, making it a practical choice for continuous industrial use





Built-In Protection, Built to Last

The Fuller Roller Crusher Type E consists of two rollers with cast bosses. One of the roller shafts is adjustable while the other has a fixed position and is provided with a flywheel. The gap between the two rollers can be varied according to the degree of crushing required.

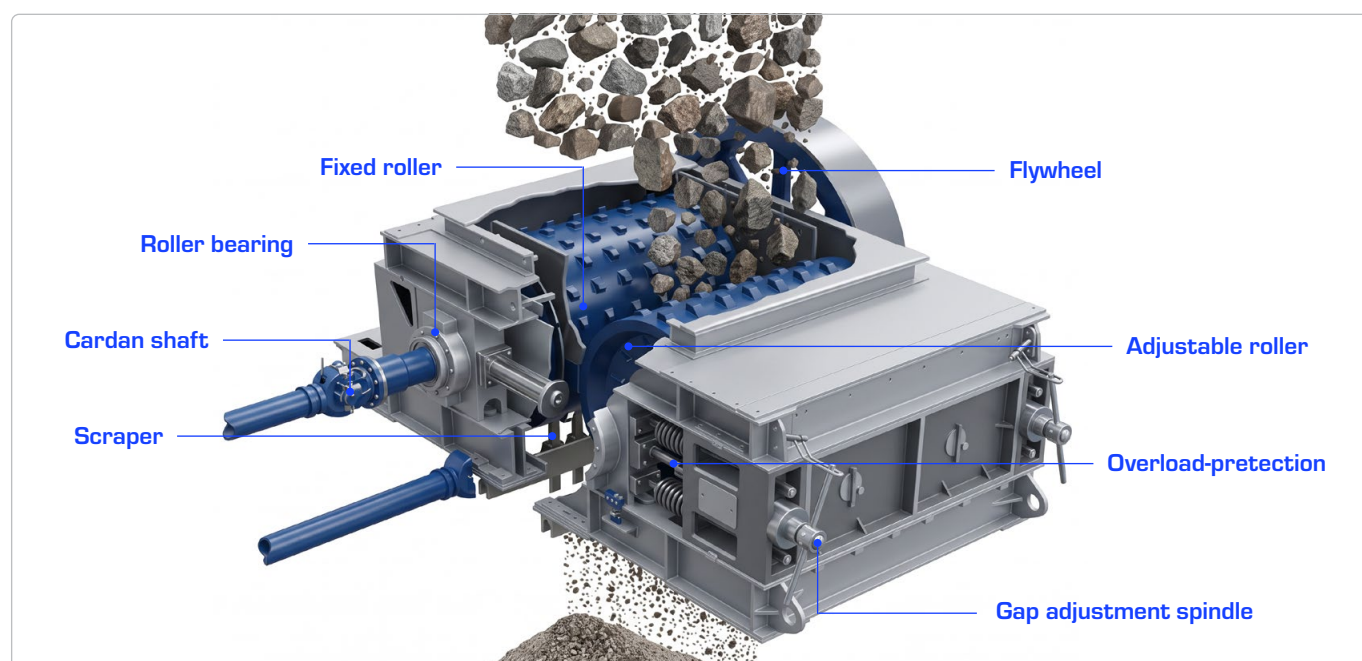
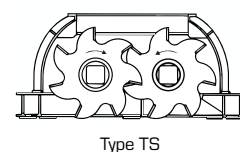
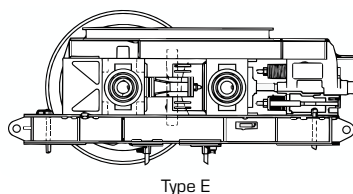
Both rollers have scrapers to remove any material sticking to the surface. The machinery is overload-protected by a plate punching device connected to the bearing of the adjustable roller, combined with a motor safety switch. If an extremely hard object is jammed between the rollers, the punching device is activated and the crusher and feed are stopped.

The motor power is transmitted through a gear drive and two cardan shafts to permit the adjustment of the space between the rollers. The frame structure of the roller crusher comprises welded and cast steel parts which are bolted together. The rollers are provided with grease-lubricated roller bearings. The toothed wheels on the gear-drive are oil-immersed with grease lubricated shaft bearings.

Fuller roller crushers are very reliable in operation and require little maintenance and lubrication. The Roller Crusher Type TS, designed for soft chalk and clay, is fitted with toothed roller sections for tearing large blocks of material before they are crushed in a subsequent process.

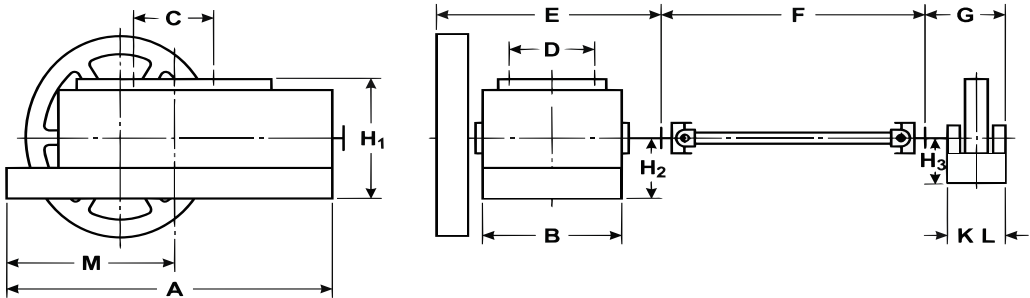
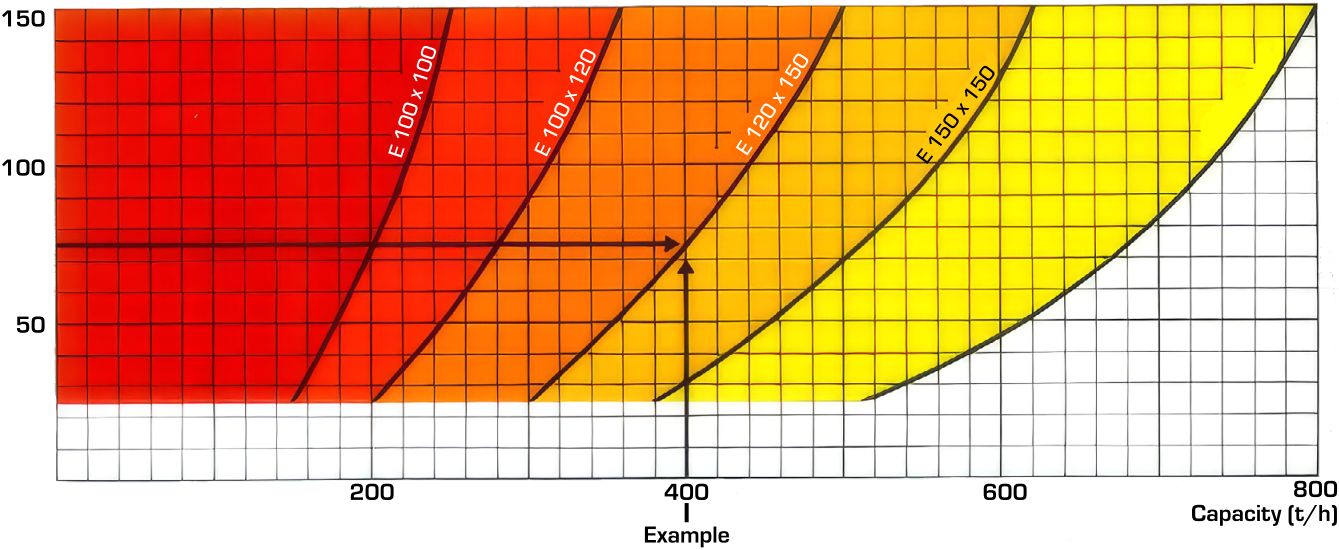
Roller crusher performances vary according to the degree of crushing required and the consistency of the material.

The roller crusher type designations indicate: E = single-step roller crusher, TS = roller crusher with toothed sections, followed by e.g. 120 x 150 = roller diameter x roller length in cm.



Type selection key

Roller clearance (mm)



Dimensions (mm)															Motor size (kW) from* to**
Type E	A	B	C	D	E	F	G	H1	H2	H3	K	L	M	Weight (t)	
100 x 100	3420	1625	850	968	2590	3095	905	1230	611	430	650	3000	1730	19.1	45 - 90
100 x 120	3420	1825	850	1168	2790	3095	935	1230	611	430	680	3040	1730	20.5	75 - 150
120 x 150	4065	2220	1150	1470	3415	3000	1340	1503	741	402	1020	3355	1975	35.0	150 - 250
150 x 150	4620	2320	1350	1470	3585	2885	1520	1810	900	442	1040	4000	2310	52.0	220 - 400
150 x 200	4620	2820	1350	1970	4085	2885	1590	1810	900	442	1110	4000	2310	59.0	280 - 500

*) Lowest motor rating for coarse crushing ***) Highest motor rating for coarse crushing