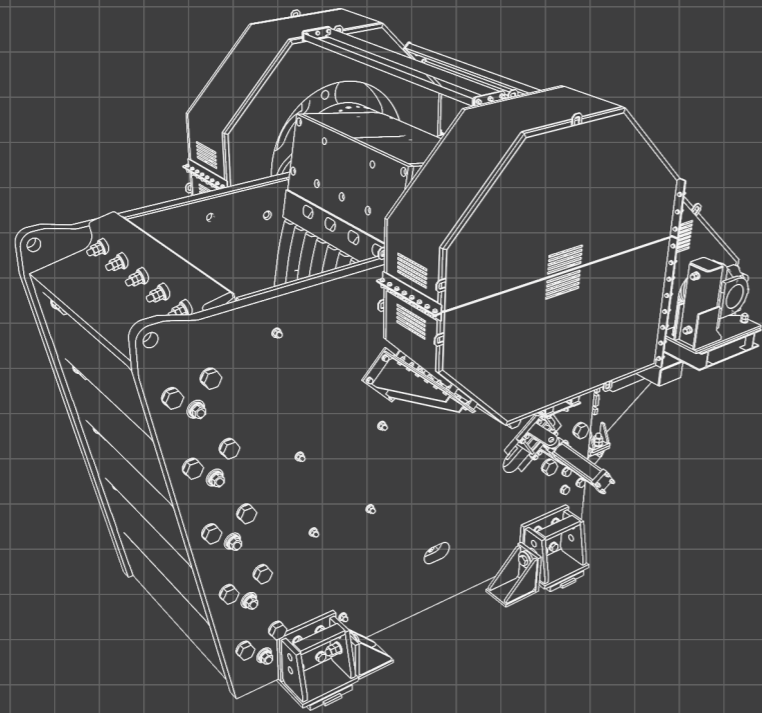


FULLER[®] JAW CRUSHER

FJ1100 | FJ1200 | FJ1400 | FJ1550

FULLER® JAW CRUSHERS

RELIABLE, DURABLE AND
HIGHER PERFORMANCE



Key benefits

- Simplified design to reduce spares inventory
- Support from renowned crusher experts
- Ideal for transporting underground or to remote sites
- Increased safety during shutdowns and maintenance

A CRUSHING
SOLUTION
FOR EVEN THE
HARSHEST
ENVIRONMENTS

Our Fuller® line of jaw crushers dates back more than 100 years with the Taylor® and Fuller-Taylor® double and single toggle jaw crushers. These crushers have continuously withstood the harshest duties found in the world.

Our Fuller® Jaw (FJ) Crushers are engineered for trouble-free operation, characterized by safe and easy maintenance. We use the most advanced analysis techniques and features to give you a strong and reliable crusher. In order to handle the increasingly hard ores and remote locations common in the industry today, the FJ Crusher is equipped with:

Design features

- Low maintenance design
- Modular frame that is bolted and pinned
- Efficient crushing motion
- Steep nip angle to crush oversized and hard ore
- Double roll spherical roller bearing—all four bearings are the same size to reduce cost and needed spare parts
- Multi-pass grease labyrinths that protect the bearings
- Tramp relief shear pin that is faster and less expensive to replace than a broken toggle plate

Fuller® Jaw Crusher industry applications

- Aggregate
- Alumina/Bauxite
- Basalt
- Copper ore
- Dolomite
- Gold ore
- Granite
- Limestone
- Nickel ore
- Molybdenum
- Silver ore
- Underground mine
- Block caving

The active feed opening and crusher nip angle allow oversize and extremely hard ore to enter the crushing chamber, providing a jaw crusher for today's increasingly harder ores with oversize coming from the pit.

Since a crusher is only as strong as the components that support it, we designed our jaw crusher with a modular frame with bolts and pins that are capable of heavy duty operation. Our exclusive design is stronger and more robust than other traditional and modular designs. The bearings are supported by pins made from forged alloy steel with large diameters and no threads to eliminate all stress risers. Bearings are lubricated with grease and protected from dirt by a multi-pass labyrinth.

Other options include:
integrated motor mount, V-belts, motor sheave, special maintenance tools, feed chute, rubber mounted pad, monitoring instrumentation and automatic grease system

MAINTENANCE-FRIENDLY COMPONENTS

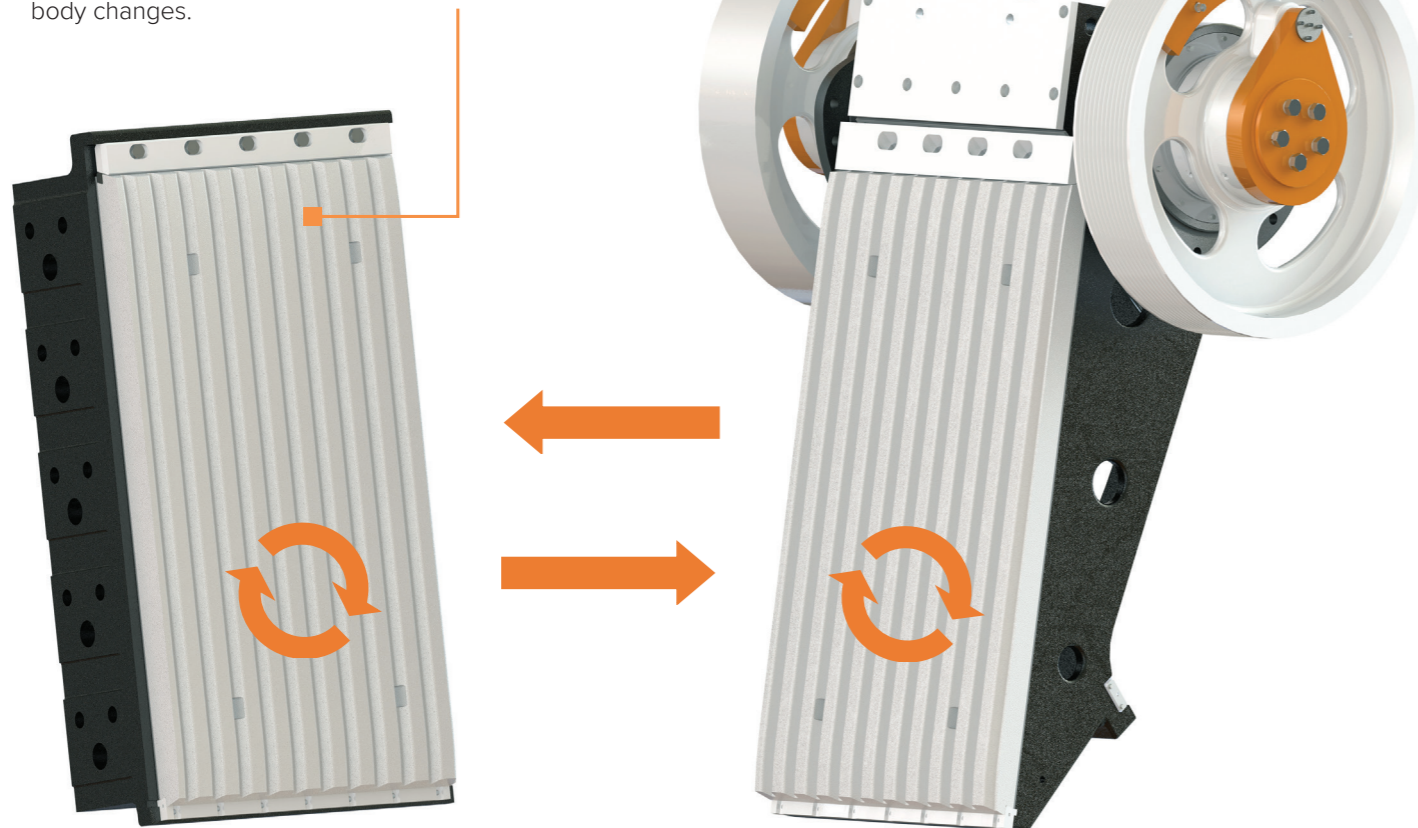
REVERSIBLE LINER

Our swing jaw and stationary jaw liners are the same part to minimise your spare part inventory. In addition to making these liners interchangeable, we designed them to be rotated 180 degrees for a longer life. After the lower portion of the liner wears, it can be rotated for continued use.

This allows the site to maximise liner wear and reduce the cost per tonne for operating the jaw crusher. It also decreases site cost by reducing the number of parts that need to be ordered and maintained.

Jaw liners are installed using wedges with bolts that are easily accessed from the crushing chamber, simplifying and reducing maintenance times.

Both of the jaw liners come in a variety of configurations and material options. Depending on the application, the manganese percentage can be adjusted to provide faster work hardening properties. Similarly, the profile of the liners can be altered to provide better performance if the material has slabs, is harder or is highly abrasive. The liner type can be changed at any time if the ore body changes.



WEAR LINERS

The FJ Crusher series has high abrasion resistant steel liners to protect its critical components. The standard wear plate has a hardness of 400 BHN, and wear plates made with harder materials are available.

The front frame has a protective jaw retainer plate in case there is a misalignment between the feed chute and the crusher opening. Similarly, the swing jaw has a wear plate to protect it from oversized material that is crushed outside of the crushing chamber. The side frames are protected by two-piece cheek plate liners.

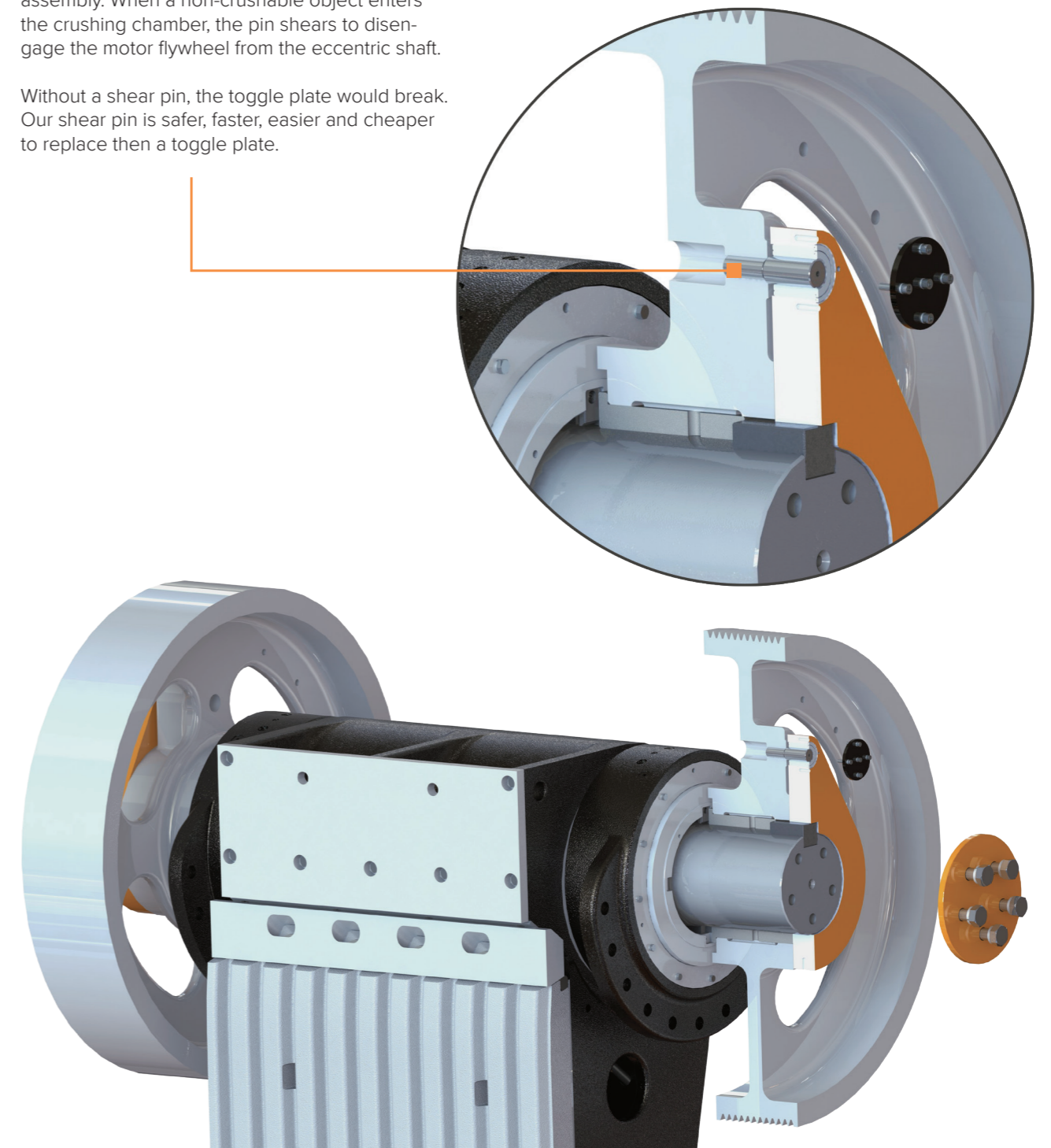
OTHER COMPONENTS

Other maintenance-friendly items are the replaceable toggle seats, jaw backing plates, tapered sleeves for main frame alignment and CSS wedges system.

SHEAR PIN

Our crusher has a shear pin in position between the eccentric shaft and the flywheel and sheave assembly. When a non-crushable object enters the crushing chamber, the pin shears to disengage the motor flywheel from the eccentric shaft.

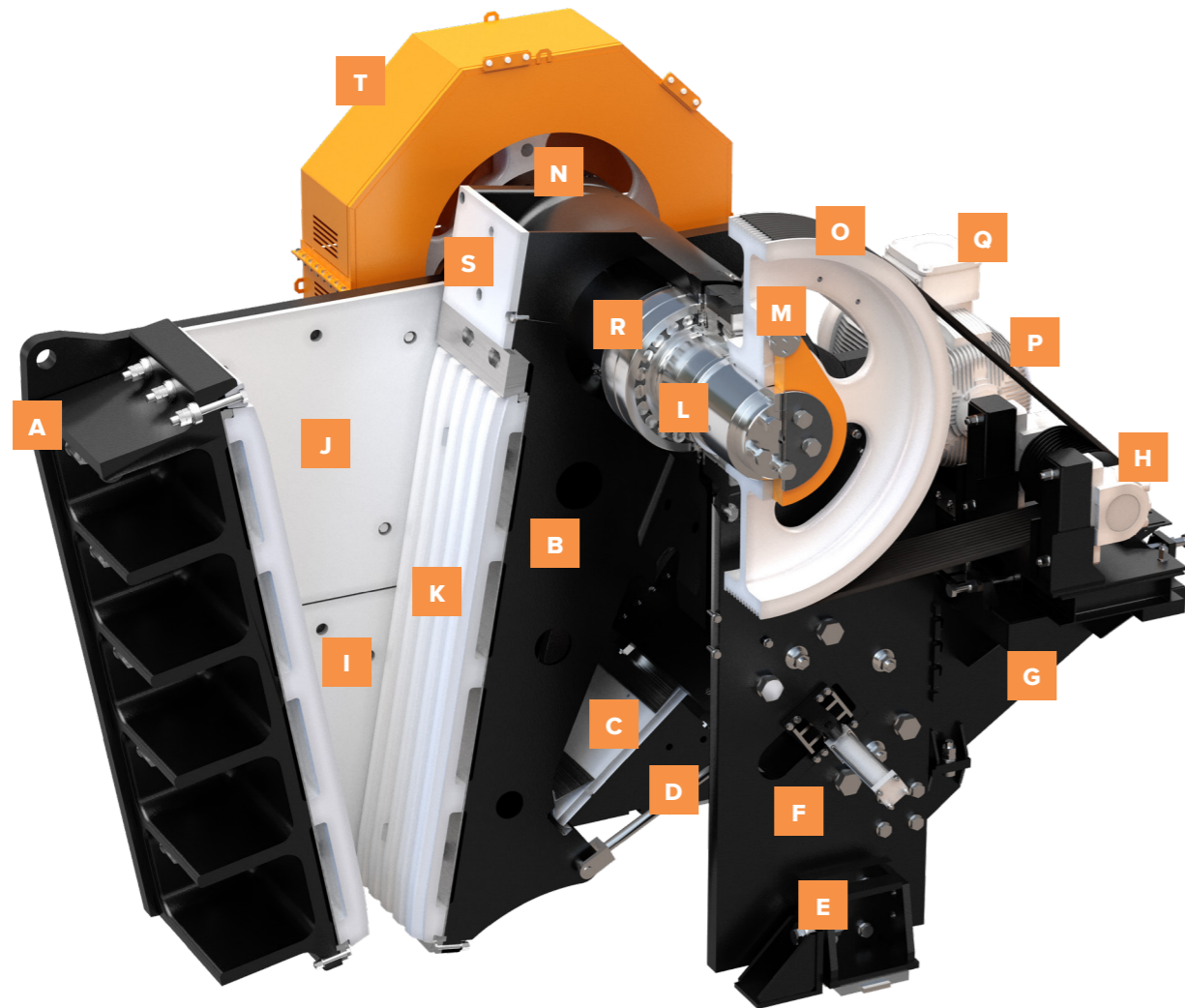
Without a shear pin, the toggle plate would break. Our shear pin is safer, faster, easier and cheaper to replace than a toggle plate.



FJ1100 | FJ1200 | FJ1400 | FJ1550

JAW CRUSHER

- A** Front frame
- B** Swing jaw
- C** Toggle
- D** Tension rod
- E** Mounting foot
- F** Adjustment wedges
- G** Integral motor mount
- H** Motor sheave
- I** Stationary jaw plate
- J** Cheek plate
- K** Swing jaw plate
- L** Eccentric shaft
- M** Shear pin
- N** Flywheel
- O** Crusher sheave
- P** V-belts
- Q** Motor
- R** Roller bearing
- S** Swing jaw wear plate
- T** Drive guard



Fuller® Jaw Crusher capacity - mtp (stph)

Closed Side Setting (css)	75 mm (3 in)	100 mm (4 in)	125 mm (5 in)	150 mm (6 in)	175 mm (7 in)	200 mm (8 in)	225 mm (9 in)	250 mm (10 in)	275 mm (11 in)	300 mm (12 in)
FJ1100	150 - 210 (165 - 230)	180 - 275 (200 - 300)	225 - 345 (245 - 380)	300 - 420 (330 - 460)	320 - 505 (350 - 555)	380 - 610 (420 - 670)				
FJ1200		220 - 315 (240 - 345)	275 - 390 (300 - 430)	350 - 460 (385 - 507)	380 - 570 (420 - 630)	445 - 670 (490 - 740)	505 - 775 (555 - 855)			
FJ1400			350 - 435 (385 - 480)	395 - 515 (435 - 565)	435 - 605 (480 - 665)	490 - 700 (540 - 770)	555 - 800 (610 - 880)	595 - 905 (655 - 1,000)		
FJ1550				420 - 590 (460 - 650)	485 - 690 (535 - 760)	550 - 800 (605 - 880)	620 - 900 (688 - 990)	680 - 1,030 (750 - 1,135)	730 - 1,160 (805 - 1,280)	805 - 1,300 (885 - 1,435)

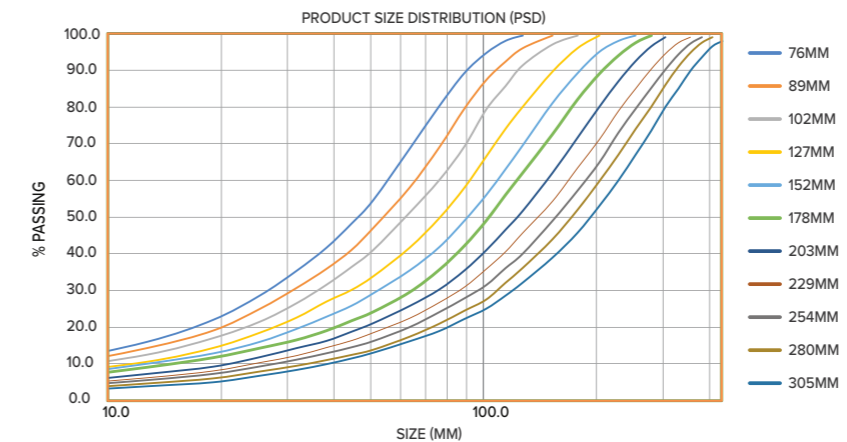
* Capacities are based on feed top size (F100) entering the crushing chamber and material smaller than the crusher CSS being removed (scalped). Ore has an average bulk density of 1.6 t/m³ and a bond crushing work index of 14 kWh/t.

Fuller® Jaw Crusher weights and dimensions

	Opening mm / (in)	Max Feeding mm / (in)	Motor Power KW / (hp)	Height (H) mm / (in)	Length (L) mm / (in)	Width (W) mm / (in)	Weight Kg / (lb)
FJ1100	850 x 1100 (33 x 43)	680 (27)	150 (200)	3050 (120)	3900 (154)	2580 (102)	32,500 (71,650)
FJ1200	920 x 1200 (36 x 47)	740 (29)	185 (250)	3100 (122)	4200 (165)	2750 (108)	38,000 (83,775)
FJ1400	1160 x 1400 (46 x 55)	920 (36)	225 (300)	3850 (151)	4500 (177)	3100 (122)	58,000 (127,870)
FJ1550	1280 x 1550 (50 x 61)	1020 (40)	260 (350)	4300 (169)	5200 (204)	3500 (138)	79,000 (174,165)

* Above figures may vary due to casting tolerances. For weight calculations assume a +/- 10% tolerance

Fuller® Jaw Crusher production size distribution (psd)



* Product gradations are based on material exiting the crusher chamber prior to adding the fines (scalped) material back in.

Ore has an average bulk density of 1.6 t/m³ and bond crushing work index of 14 kWh/t.

