

# Spare parts for crushing equipment



**element**<sup>®</sup>  
Integrity in details



Element® is the manufacturer of high quality spare and wear parts for mining equipment providing the highest service level to its Customers.

Element Company Group does not own or represent any of the brands stipulated here. Spare parts and components are completely interchangeable with parts of pointed equipment. Provided and produced with warranty obligations of the Element® trademark.

Element offers the equipment users access to the alternative spare and wear parts of verified quality.

The range of spare and wear parts manufactured under the own Element® trademark comprises more than 40 thousand items. Instead of limiting on a single brand, Element focuses it's scope on various equipment types from multiple manufacturers.

Element's mission is to help its Customers optimize their expenses related with high costs of authentic replacements, as well as to the unpredictable quality of the off-brand parts and the lack of fast maintenance support with the alternative suppliers.

- Crushing and grinding equipment spare and wear parts
- Slurry pumps spare and wear parts
- Conveyor transport components
- Wear-protection materials
- Mill lining
- Standard components and and a selection of their functional replacements
- Engineering
- Technical maintenance and audit
- Repair works and equipment modernization
- Logistics and warehousing



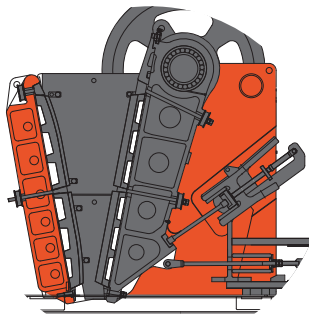
# Jaw crusher spare parts

Element is a long-term partner in terms of sustaining Customer's enterprise operation activities, supplying high-quality, high-performance and safe spare parts at the best price.

Element is in constant development of the supplied parts technical parameters, using alloys and technologies allowing for the longest parts service life in their manufacturing process.

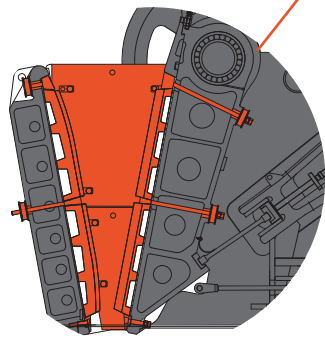
## Frame parts

Frame Assembly  
Support Bar



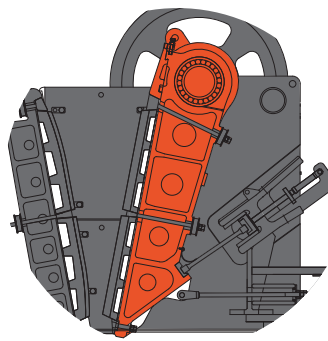
## Plates and Flywheels

Cheek Plate  
Stationary Jaw Plate  
Flywheels  
Counterweights



## Pitman Assembly

Eccentric Shaft  
Bearing Housings  
Roller Bearings  
Labyrinth Seal  
Labyrinth End Cover



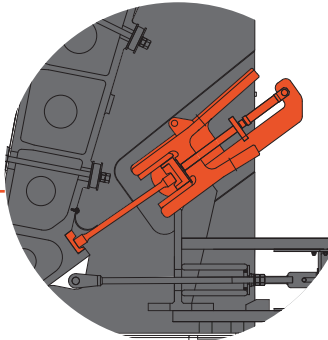
Element produces spare parts for jaw crushers of the following models\*:

CJ 409, 411, 412, 612, 613, 615, 815  
JM 907, 1108, 1208, 1211, 1312, 1511, 1513  
Telsmith 30x42, 36x48, 38x58, 44x48, 50x60, 55x66

SM-741  
SCHDP 1200x1500, 1500x2100, 900x1200  
SMD 108A, 109A, 110A, 111, 111 A/B, 117, 117 A/B, 118, 118 A/B, 60A

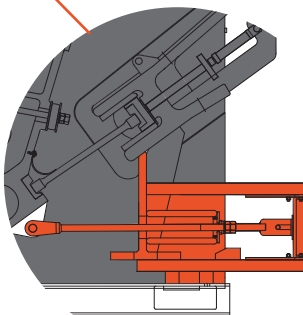
## Adjusting parts

Toggle Plate  
Lock Ring and Lockwasher  
Side block and Toggle Seat Block  
Wedge Pairs and Pins  
Cylinder  
Piston Guide  
Cylinder Bracket



## Parts of spring retraction arrangement

Springs  
Cylinder and Bracket  
Pins and End Covers  
Retraction Assembly Frame  
Pusher Plate  
Dust Collar



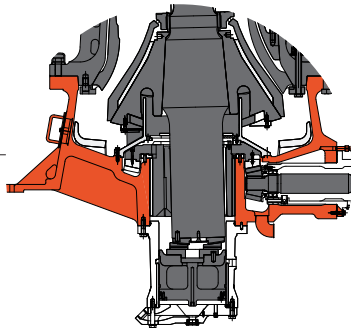


# Cone crusher spare parts

Parts quality influences the equipment reliability and effectiveness directly, increases its performance, decreases its downtimes and maintenance costs, which is why Element carefully approaches the selection of material and manufacturing technology of spare parts.

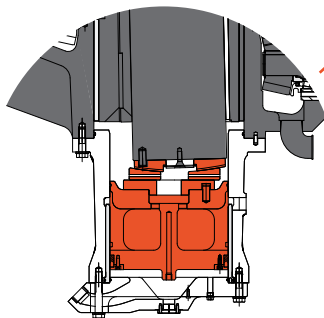
## Bottom Shell parts

- Bottom Shell
- Bottom Shell Bushing



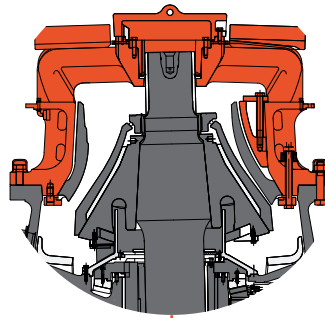
## Hydraulic piping arrangment

- Thrust Bearing
- Socket
- Piston
- Piston Wear Plate



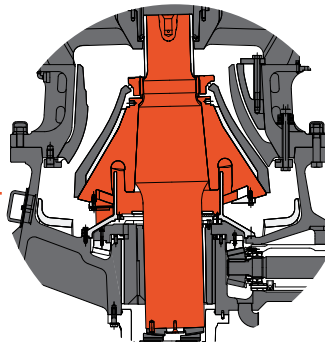
## Upper Frame parts

- Top Bearing
- Spidercap and Arm Guard
- Spacer ring and Lockwasher



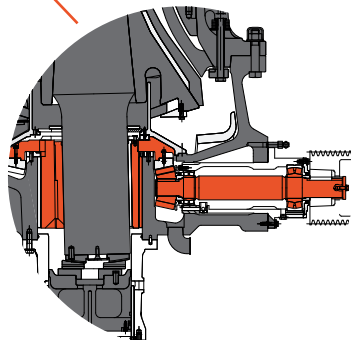
## Main Shaft Assembly

- Main Shaft Bushing
- Head Nut and Burning Ring
- Head
- Protection plate



## Shaft Gear and Eccentric parts

- Gear and Pinion set
- Pinion Shaft
- Pinion Shaft Housing
- Roller Bearing
- Eccentric Bushings
- Hub
- Eccentric Wear Plate



Element produces spare parts for jaw crushers of the following models\*:

KMD/KSD 1200, 1750, 2200, 3000  
SBS 38, 44, 52, 57, 68  
HCC12, HCC16, HCU7, HCU12  
F 210, G 150

CH 420, 430, 440, 660, 880, 890, 895  
H 2000, 2800, 3000, 3800, 4000, 4800, 6000, 6800, 7800, 8800  
CS 420, 430, 440, 660  
S 2000, 2800, 3000, 3800, 4000, 4800, 6000, 6800

KKD 500/75, 900/140, 1200/150, 1350/160, 1500/180, 1500/230  
KRD 700/75, 700/100  
GG 810, 820, 850





## Element's quality control system

Design and manufacturing processes are being managed to ensure uncompromised quality of Element parts.

End-to-end quality control is an integral part of Element's production process, allowing to comply with the stated technical requirements.

End-to-end control possibility is one of the certified manufacturing partners selection criteria.

### Certified partners-manufacturers

Element reviews manufacturers available and assesses their quality management, production and technology capabilities with complex audit program. We thoroughly inspect our Partner's quality management system to integrate it with our QMS.

### Mass production orders

Element can execute orders in small and medium series according to its production documents. Prior to production our engineering team verifies manufacturer's technology solutions before purchasing or production of required tooling (patterns, coreboxes, die-molds, etc.)

### Technical documentation

We do reverse engineering and count on design improvements of our parts based on usage data in order to develop a full range of design and inspection documentation. A set of documents provided by Element ensures proper production and inspection of a part. We run a dedicated IT system for reliable storage and handling of documentation.

### Warranty

Element supplies spare and wear parts under its own trademark and provides warranty as well as product improvements based on operation experience, and end-customer technical support, product improvements on the grounds of its operational experience implementation and informational support on the operating conditions of the products to the end consumer.

### Quality control plan

Element develops specific quality control plan for every product type, defining important process stages and control methods for designing, manufacturing, delivery from the supplier and stocking acceptance. Control may be conducted for the whole batch of products or randomly.

### Resources

For execution of quality control plan Element cooperates with the following services: in-house production, design and maintenance departments, our own representative at manufacturing plants, quality engineers as well as 3rd party acceptance inspectors and independent test labs.





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