

**SYTECHS MINING TECHNOLOGY**



**SYMONSTECHNOLOGY ST-C SERIES JAW CRUSHERS**

**North American Technology  
3 YEARS EXTENDED WARRANTY**

**BOLTED TYPE MAIN  
FRAME**

**ST-C125**

## SYMONSTECHNOLOGY ST-C SERIES JAW CRUSHERS

Our Symonstechnology/Sytechs ST-C Series Jaw Crushers are ideally suitable for primary and secondary crushing, with low power consumption. Every feature of these machines has been vigilantly designed to provide superior quality and performance. They are widely used for crushing various materials like stone, granite, trap rock, coke, coal, manganese ore, iron ore, emery, fused aluminum, oxide, fused calcium carbide, lime stone, quartzite, alloys, etc. These crushers are manufactured as per North American Design , standards and techniques at the Shenyang Plant in China. They are recommended by leading consultants in this field and are used by hundreds of customers all over the world.. All our product are ISO9001 Quality System and CE Certified. Our product is backed by comprehensive, worldwide after sales services and international product warranty (1year Standard Warranty while 3 years extended warranty is available (Optional)

### FEATURES (OPTIONS)

- High quality and reliability
- World-class craftsmanship and materials
- Modular,non welded construction (bolted type)
- Four equal size bearings that are larger than those of most crushers of comparable size
- Cast steel pitman and crusher frames
- Single-piece cast steel frame bearing housings
- Repairable crusher construction
- Low operating and installation costs:
- Soft Starting System
- Fast and sale wedge setting adjustment system
- Protection plates behind the jaw plates
- Rubber damper crusher mounting
- Versatile integral motor base
- Compact and service friendly flywheel guards
- Custom feed chute
- Automatic grease lubrication system
- Outstanding performance
- Efficient cavity designs
- Aggressive kinematics, long stroke, optimum speed
- Small allowed crusher settings
- The right jaws and cheek plates for the widest range of applications
- Used in a wide range of applications, both stationary and mobile
- Electric motor mounted on main frame-reduced vibration.
- Bolted Type Jaw design makes of each part of the main frame replaceable..

### APPLICATIONS:

- Aggregate
- Mining (surface and underground)
- Recycling( concrete, asphalt ,etc)
- Industrial (slag ,anodes, etc)

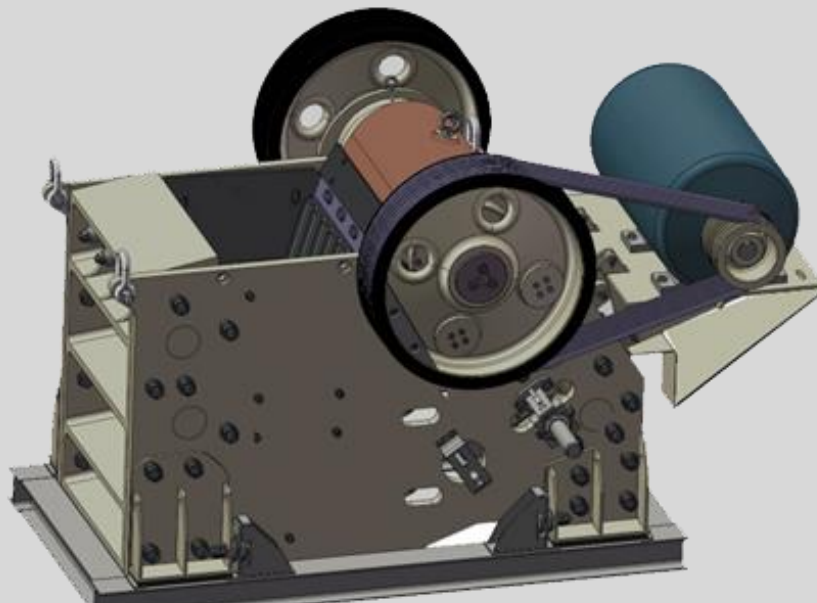


**BOLTED TYPE MAIN FRAME**



## SYMONSTECHNOLOGY ST-C SERIES JAW CRUSHERS- TECHNICAL SPECIFICATIONS

MODEL		ST-C80X51	ST-C100X86	ST-C96X58	ST-C106X70	ST-C116X80	ST-C138X76	ST-C120X87	ST-C125X95	ST-C140X107	ST-C150X120	ST-C160X120	ST-C200X150
Feed Opening width mm (in)		800(32)	1000(40)	930(37)	1060(42)	1150(45)	1375(54)	1200(47)	1250(49)	1400(55)	1400(55)	1600(63)	2000(79)
Feed opening depth mm (in)		510(20)	760(30)	580(23)	700(28)	800(32)	760(30)	870(34)	950(37)	1070(42)	1200(47)	1200(47)	1500(59)
Power KW		75	110	90	110	132	150	160	160	200	225	260	400
Speed (rpm)		350	260	330	280	260	260	230	220	220	220	220	200
Product size mm	CST (mm)	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH	MTPH
0-30	20												
0-35	25												
0-45	30												
0-60	40	55-75											
0-75	50	65-95											
0-90	60	80-110		105-135									
0-105	70	95-135	125-175	125-155	150-185	165-205	210-270	175-240					
0-120	80	110-150	145-200	140-180	165-215	180-235	240-300	195-270					
0-135	90	125-175	160-220	160-200	190-235	205-255	260-330	210-305					
0-150	100	140-190	180-250	175-225	205-265	225-285	285-365	235-325	245-335				
0-185	125	175-245	220-310	220-280	255-325	270-345	345-435	285-395	295-405	325-445	340-470		
0-225	150	210-290	265-365	265-335	305-385	320-405	405-515	340-475	345-475	380-530	400-555	430-610	
0-260	175	245-335	310-430	310-390	355-450	370-465	465-595	385-540	395-545	435-605	460-635	495-695	630-890
0-300	200		355-490		395-500	410-520	530-670		445-615	495-685	520-720	560-790	710-1000
0-340	225								495-685	550-760	580-800	625-880	785-1105
0-375	250								545-755	610-840	640-880	685-965	865-1215
0-410	275											745-1055	940-1320
0-450	300											815-1145	1015-1435





The ST- C Series jaw crushers are based on pinned and bolted, non-welded frame construction. This design principle contributes to their excellent fatigue life and strength, This, combined with high-quality steel casting design and large size spherical roller bearings, delivers the reliability that ST-C Series jaw crushers are known for.



The ST- C Serie jaw crushers are designed to handle the toughest feed materials in the primary crushing stage. They have proven their performance in applications including mining, quarrying, recycling and industrial minerals. They have the highest power ratings in each size class thanks to their strong pinned and bolted frame, making them ideal for stationary, underground and mobile crushing applications.

The Swing jaw is made of cast steel. Swing jaw plate is fastened onto the swing jaw by means of wedge. Two jaw plates can be used interchangeably while a single design jaw plate can be offered on request . The Swing jaw is suspended in the middle of eccentric shaft by two main bearings and is suspended into the cavity of main frame. Two bearing housings are installed on the both sides of the main frame symmetrically. Eccentric shaft is supported on both sides of frame by bearings.

The Eccentric shaft is made of forged alloy steel. Fly wheel and pulley are fixed on the conical surface of eccentric shaft by keys. The fly wheel and pulley are fixed at each end of eccentric shaft by means of washers and keys to prevent axial movement.

The Toggle is made of cast iron. The front end of the toggle is supported on the die block which is under the swing jaw; the back end of the toggle supports on the die block of back pedestal.

## EXTENDED WARRANTY POLICY (OPTIONAL) New Machines & Parts

PART	TIME PERIOD			
	1yr.	2yrs.	3yrs.	4yrs.
<b>Class I Parts</b>				
<b>Class II Parts</b>	<b>100%</b>	<b>66%</b>	<b>33%</b>	
<b>Class III Parts</b>				

For more complete information on Symonstechnology (Sytechs) products, dealer services, and industry solutions, please contact [sales@sytechs-minerals.com](mailto:sales@sytechs-minerals.com)  
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**ISO 9001  
QUALITY SYSTEM  
CERTIFIED**

**Manufactured as per North American Design  
and Specifications,  
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