

SYMONS CONE CRUSHER

西蒙斯圆锥破



PRODUCT INTRODUCTION

产品简介

西蒙斯圆锥破碎机是基于层压破碎原理及多破少磨的概念设计研发的一种集高摆频、优化腔型、合理冲程于一体的现代**高性能破碎机**。该设备过载保护措施齐全，具有完整的润滑系统，多种腔型满足不同破碎要求；**液压装置**可在未破碎物料进入破碎腔时自动释放破碎腔。西蒙斯圆锥破具有结构可靠，**生产效率高**，调整方便，使用经济等特点。

Symons cone crusher is a modern high-performance stone crusher designed based on the principle of laminated crushing and concept of more crushing and less grinding, which integrates high swing frequency, optimized cavity type and reasonable stroke. The cone crusher has complete overload protection measures, a complete lubrication system, and a variety of cavity types to meet different crushing requirements; the hydraulic device can automatically release the crushing cavity when the uncrushed material enters crushing cavity. Symons cone crusher has the characteristics of reliable structure, high production efficiency, convenient adjustment and economical use.

PRODUCT ADVANTAGE

产品优势

优势一 结构可靠，耐用性强

采用弹簧保险装置，当遇到不可破碎异物或过载时，弹簧自动释放压力，避免设备损坏，提升使用寿命。

Reliable structure and strong durability

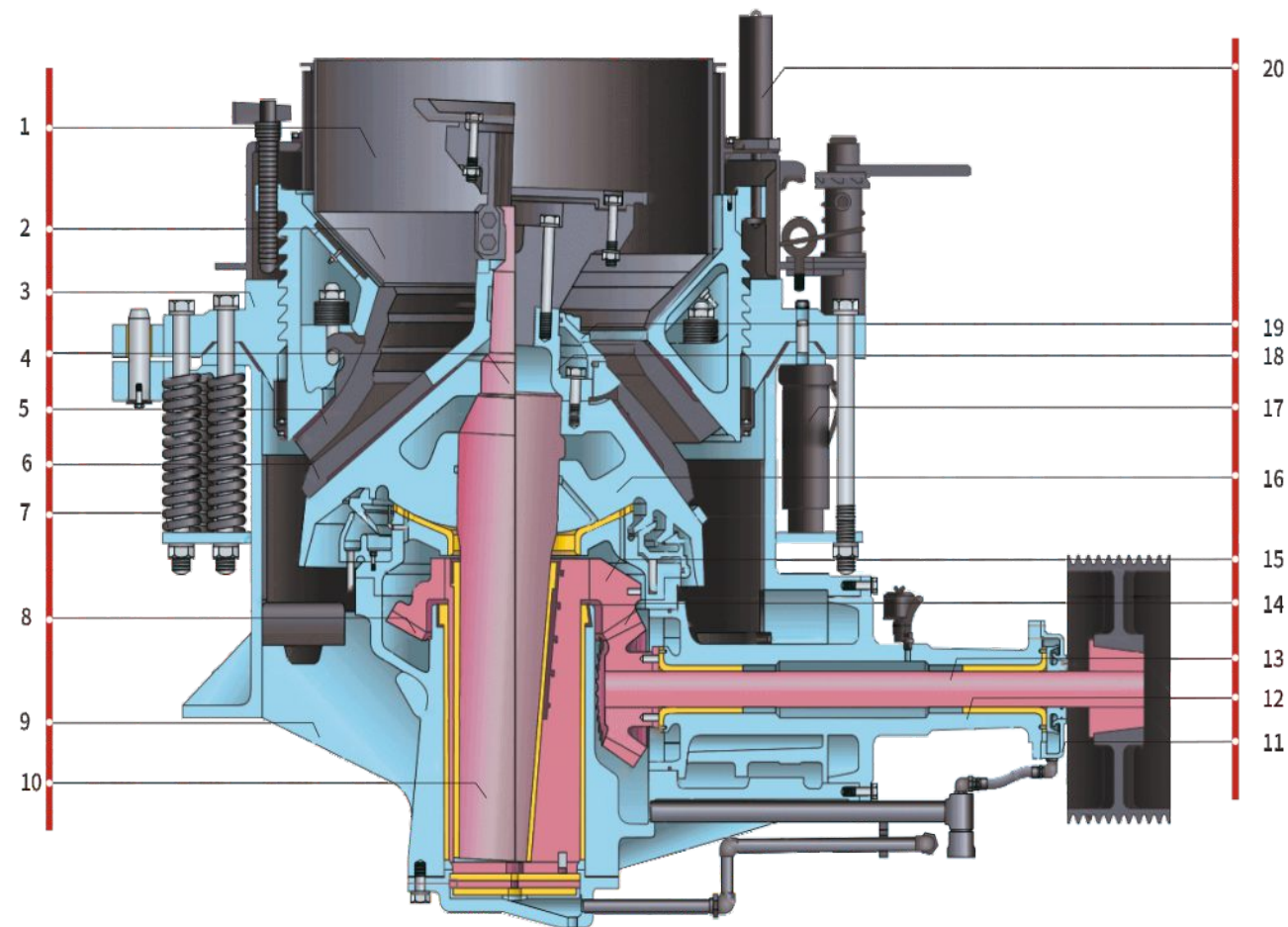
Using a spring safety device, when encountering an unbreakable foreign body or overload, the spring automatically releases the pressure to avoid damage to the equipment and improve the service life.

优势二 生产效率高

物料在动锥和定锥之间多次挤压、碰撞，实现“料间破碎”，显著提高破碎效率，并减少能耗。

High production efficiency

The material is squeezed and collided multiple times between the moving cone and the fixed cone to achieve “inter-material crushing”, which significantly improves the crushing efficiency and reduces energy consumption.



1 进料斗 Feeder Hopper

2 分料锥 Feed Cone

3 调节环 Adjustment Ring

4 主轴 Main Shaft

5 轧臼壁 Concave

6 破碎壁 Mantle

7 释放弹簧 Spring

8 齿轮 Gear

9 机架 Body

10 主轴袖套 Spindle Sleeve

11 油杆外壳 Oil Flinger Housing

12 副轴框 Countershaft Box

13 传动轴 Rotation Shatt

14 小锥齿轮 Pinion

15 大锥齿轮 Big Gear

16 锥体层 Cone

17 清腔油缸 Oil Cylinder

18 锁圈 Locking Collar

19 锁紧螺母盖locking Nut Cover

20 液压锁紧柱 Hydraulic Locking Post

WORKING PRINCIPLE

Symons Cone crusher is a compression type of stone crusher. The feeding rock is crushed by squeezing or compressing the feed material between a wear resistant mantle and a manganese concave or a bowl liner. The mantle is a moving part that gyrates in an eccentric motion though an eccentrically gyrating spindle

The Symons cone crusher is adjusted by spinning the bowl up or down manually or through hydraulic rams. A series of powerful springs give the necessary tramp protection without damage to the crusher.



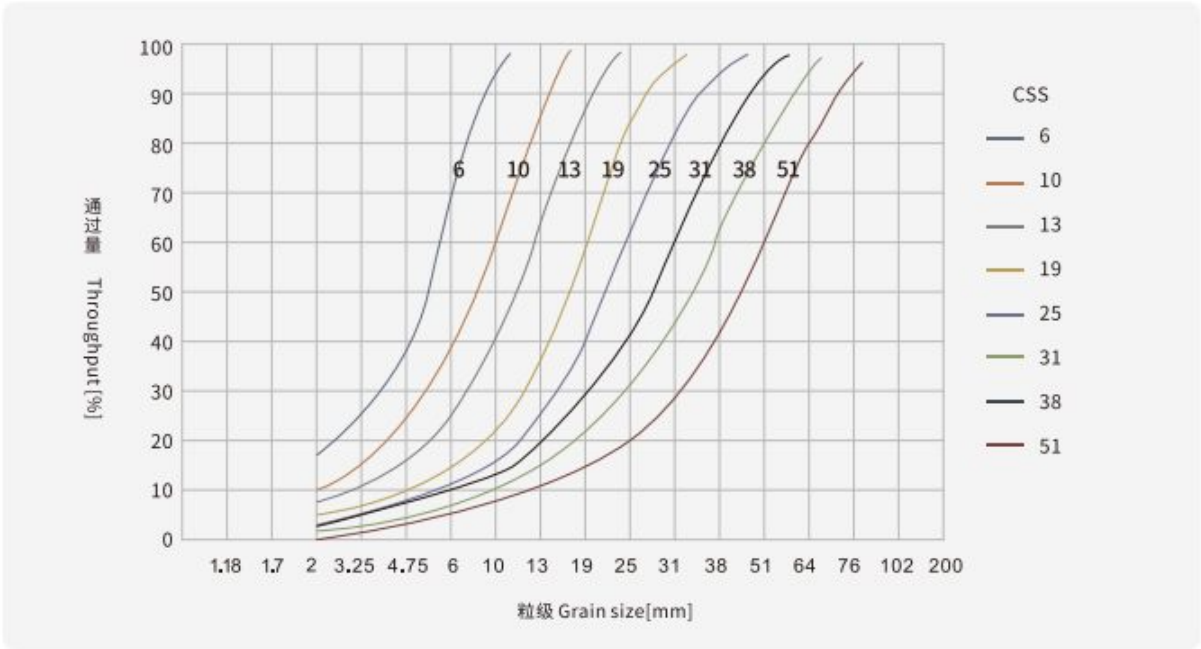
TECHNICAL PARAMETER

技术参数

型号 Model	装机功率 Power (kw)	腔型 Cavity Type	最大给料尺寸 Max Feeding Size (mm)	出料口调节范围 Outlet Adjusting Range (mm)	生产能力 Capacity (t/h)
CS75	75	标准粗型	150	25-38	59-163
		标准中型	85	13-38	45-91
		标准细型	35	6-22	27-90
CS110	110	标准粗型	180	15-50	110-250
		标准中型	130	10-38	80-180
		标准细型	90	10-31	63-140
CS160	160	标准粗型	205	19-50	172-349
		标准中型	178	16-38	132-253
		标准细型	115	13-31	109-181
CS220	220	标准粗型	235	30-60	210-530
		标准中型	180	22-45	180-475
		标准细型	100	19-40	130-260
CS250	250	标准粗型	228	30-60	299-635
		标准中型	205	25-50	258-417
		标准细型	178	20-45	181-327
CS315	315	标准粗型	314	31-64	1125-1814
		标准中型	284	25-51	862-1424
		标准细型	236	19-38	544-1034

注：技术参数如有变动，恕不另行通知。

Note: Any changes of technical parameters, there is no further notice.



CUSTOMER WORKSITE

客户现场

20年专注矿山设备领域，以专业项目指导、高效设备生产、智能化生产线建设及科学管理运营服务全球10000+客户，携手合作伙伴持续突破技术边界，让中国矿机品牌闪耀世界舞台！

For 20 years, we have focused on the field of mining equipment, serving 10,000+ customers around the world with professional project guidance, efficient equipment production, intelligent production line construction, scientific management and operation, and working with partners to continue to break through technological boundaries and let China's mining machinery brand shine on the world stage!



出口超**150+**个国家
BAICHY exports to more than 150 countries



Mobile Crusher Plant	Two-stage Crusher	DMC Pulse Dust Collector
Jaw Crusher	Vertical Compound Crusher	Powder Classifier
C Series Jaw Crusher	Reversible Hammer Crusher	Bucket Elevator
PEX Fine Jaw Crusher	Hammer Crusher	Vibrating Feeder
Impact Crusher	Dewatering Screen	Screw Conveyor
CI Series Impact Crusher	Linear Vibrating Screen	Three-cylinder Dryer
Symons Cone Crusher	Wheel Sand Washing Machine	Single Cylinder Dryer
Spring Cone Crusher	Screw Sand Washer	Flotation Machine
Hydraulic Cone Crusher	Sand Recycling Machine	Spiral Classifier
CH Cone Crusher	Raymond Mill	Gold Concentrator
Heavy Hammer Crusher	YGM High Pressure Grinding Mill	Magnetic Separator
Small Jaw Crusher	MTW Trapezium Grinding Mill	Agitator
Vibrating Feeder	Vertical Roller Mill	Wet Pan Mill
Belt Conveyor	HGM Micro-powder Grinding Mill	Shaking Table
YK Vibrating Screen	Ball Mill	Spiral Chute
Trommel Screen	Cement Ball Mill	
Vertical Shaft Impact Crusher	Ceramic Ball mill	
High-efficiency Fine Crusher	Three-cylinder Dryer	
Double Roller Crusher	Single Cylinder Dryer	