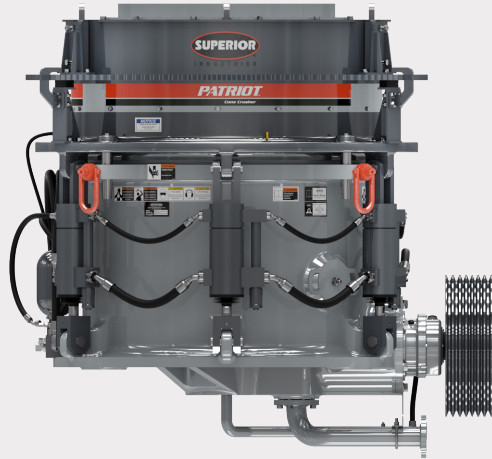




# PATRIOT® CONE CRUSHER

## MODEL: P200



Head Diameter (mm)	38" (970)	Head Angle	50°
Weight (kg)	19,485 lbs. (8,838)	Operating Speed	750-1,200 rpm
Recommended HP (kw)	200 (150)	Stroke/Head Throw (mm)	3" (77)
Max. Feed Opening (mm)	9.3" (236)	Counterweight Protection	Hydraulic
Setting Adjustment Type	Hydraulic drive	Readout for Accurate CSS	Optional
Thread Lock Type	Hydraulic clamping ring	Tramp Relief	Hydraulic w/ single accumulator
Thrust Bearing Type	Bronze on steel bushing	Chamber Clearing	Hydraulic cylinders
Radial Bearing Type	Bronze bushing		

### CAPACITY CHART\*

Setting inch (mm)	Min. Capacity sTPH (MTPH)	Max. Capacity sTPH (MTPH)
5/16" (8.0)	75 (68)	100 (91)
3/8" (10.0)	95 (86)	135 (123)
1/2" (13.0)	130 (118)	175 (159)
5/8" (16.0)	145 (132)	210 (191)
3/4" (19.0)	170 (154)	220 (200)
7/8" (22.0)	180 (163)	230 (209)
1" (25.0)	190 (172)	245 (222)
1-1/4" (32.0)	205 (186)	270 (245)
1-1/2" (38.0)	220 (200)	290 (263)
1-3/4" (45.0)	250 (227)	310 (281)
2" (51.0)	270 (245)	340 (308)

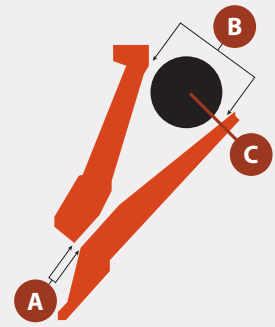
### LIFTING WEIGHTS

Items	Weight lbs. (kg)
Complete Crusher	19,485 (8,838)
Main Frame Assembly (Main Shaft and Frame Liner)	5,979 (2,712)
Bowl Assembly (Bowl Liner and Hopper Assembly)	3,523 (1,598)
Adjustment Ring (Includes Clamping Ring)	2,880 (1,306)
Head Assembly (Feed Plate Assembly and Mantle)	3,146 (1,427)
Counter-Shaft Box Assembly	955 (433)
Eccentric Assembly (Includes Counter-Weight)	1,541 (699)
Mantle	1,318 (598)
Bowl Liner	1,087 (493)
Motor Base	900 (408)

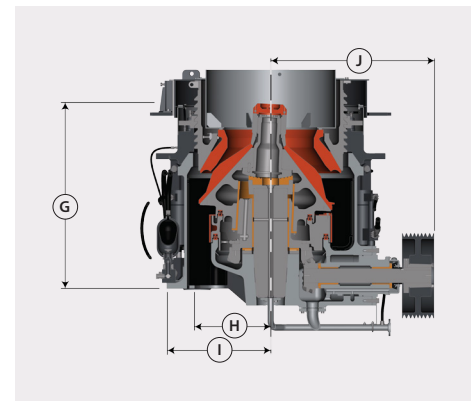
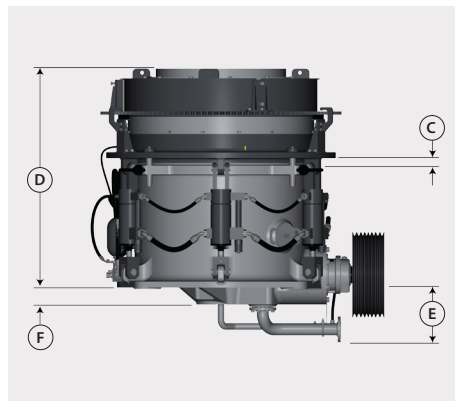
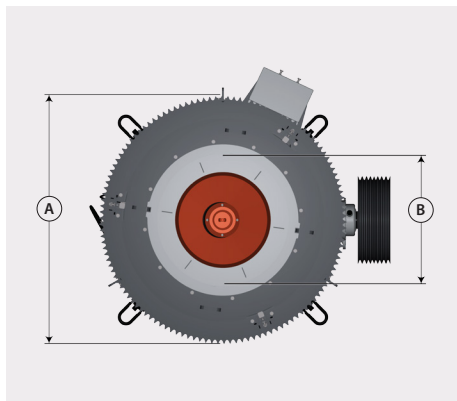
\* All capacities are based on a bulk density of 100 lbs. per cu. ft. and a work index of 13.

# FEED OPENING DIMENSIONS

FEED OPENINGS			
	A - Min. CSS inch (mm)	B - Max. Feed Opening inch (mm)	C - Max. Feed Size inch (mm)
Standard Coarse	0.750" (19)	8.5" (215)	6.8" (172)
Standard Medium	0.625" (15)	7.0" (177)	5.6" (142)
Standard Fine	0.625" (15)	5.9" (149)	4.7" (119)
Short Head Coarse	0.500" (12)	5.0" (127)	3.2" (81)
Short Head Medium	0.375" (9)	4.2" (106)	2.4" (61)
Short Head Fine	0.375" (9)	3.0" (77)	0.8" (20)



# GENERAL DIMENSIONS



OPERATING DIMENSIONS		
	Description	Dimensions inch (mm)
A	Adjustment Ring Max Diameter	66-15/16" (1,700)
B	Inside Diameter Feed Hopper	38" (965)
C	Tramp Release Stroke	4-1/4" (107)
D	Height of Base to Top of Feed Hopper	64-1/16* (1,627)
E	Base to Bottom Of Oil Piping	13-1/2" (342)
F	Base to Bottom of Mainframe Hub	4-1/2" (114)
G	Base to Top of Feed Plate	58-1/2" (1,485)
H	Inner Flange Minimum Radius	23-3/8" (593)
I	Outer Maximum Radius	30-3/8" (762)
J	Crusher Centerline to End of Countershaft Assembly	47-5/8" (1,209)

INSTALLATION DIMENSIONS		
	Description	Dimensions inch (mm)
	Counter Shaft Removal Clearance	66-3/4" (1,695)
	Bowl Removal Clearance from Bottom of Hub	95-1/4" (2,419)
	Head Assembly Removal Clearance from Bottom of Hub	101-1/8" (2,568)

\*Bottom of Clearing Stroke