

UNIVERSAL JAW CRUSHER

McLanahan's Universal Jaw Crushers are constructed from top quality material for rugged service in the toughest applications. By combining higher throughput with low-cost maintenance to create a more profitable operation, Universal Jaw Crushers are efficient, cost-effective primary crushers.

Better Crushing Performance

Universal Jaw Crushers are known for their deep crushing chambers, which provide a better nip angle while reducing rebounding to ensure continuous crushing action with less abrasive wear. Longer throw provides sharp crushing action, leaving fewer slabs and slivers of material. The steep toggle angle provides more compression throughout the crushing chamber, complementing the downward thrust that force feeds material and ensures top production with less plugging.

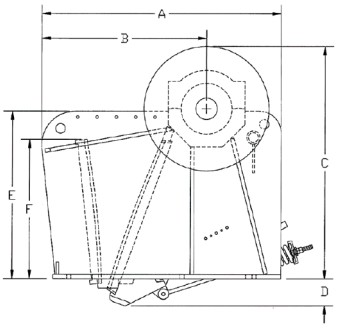
Each Universal Jaw Crusher is designed with a wide range of discharge settings. Most Universal Jaw Crushers may be adjusted tighter than the recommended minimum setting, which provides for optimum utilization of wear metal and for improved product sizing control in the smaller models. The closed-side-setting of the Universal Jaw Crusher is measured from peak to peak on the corrugated jaw plates for improved product sizing control at each designated setting. The rigid one-piece fabricated base frame is reinforced for unmatched durability and strength. The jaw openings are measured from inside the wear plates, providing a larger crushing chamber for greater reduction and overall capacities.

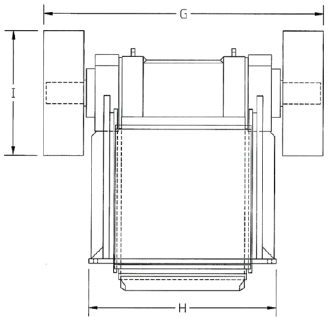
Less Wear, Less Maintenance

Universal Jaw Crushers feature reversible manganese jaws plates to provide longer jaw life and less downtime. Smaller models feature key wedges and heel plates to secure the stationary jaw plate. Larger models now offer a replaceable toe on the pitman and a means to secure the jaw dies without key wedges. Side liners are also segmented to lower replacement cost. The massive cast steel pitman is heavily reinforced and finely machined to provide the ability to absorb the shock loads. The single toggle design incorporates a dual purpose toggle plate that not only allows for setting the discharge of the crusher, but also acts as a shear point to protect the crusher in the case of tramp iron. Hydraulic shim adjustment minimizes downtime when changing the discharge setting and provides for quick and easy adjustments.

H-Series Universal Jaw Crusher Technology

McLanahan also has the H-Series model of the Universal Jaw Crusher. This specific crusher offers adjust-on-the-fly technology, while maintaining the aggressive nip angle and providing consistent crushing throughout the entire chamber. In addition to all the benefits of the Universal Jaw Crusher, the H-Series provides hydraulic discharge setting adjustment, chamber clearing, and automatic tramp iron relief with auto-reset. With years of engineering experience McLanahan is able to recommend and provide the correct Jaw Crusher for your application.





Dimensions

		2236	2248	2540	3242	3254	3648	4250	5060
A = Length Of The Base Frame	in mm	70.56 1,792	84.00 2,134	81.50 2,070	99.44 2,526	99.44 2,526	117.00 2,972	125.81 3,196	152.56 3,875
B = Location Of Shaft Center Line	in mm	47.56 1,208	57.87 1,470	54.75 1,391	68.44 1,738	68.44 1,738	77.75 1,975	81.56 2,072	108.56 2,757
C = Flywheel Elevation	in mm	67.50 1,714	83.50 2,121	88.00 2,235	97.25 2,470	97.25 2,470	125.19 3,180	136.00 3,454	170.50 4,331
D = Pitman Extension (Adjustable)	in mm	8.00 203	8.00 203	8.00 203	11.25 286	16.00 406	13.00 330	4.88 124	13.50 343
E = Base Frame Elevation	in mm	46.50 1,181	57.50 1,461	61.50 1,562	70.25 1,784	71.25 1,810	91.94 2,335	101.25 2,572	130.00 3,302
F = Elevation Of Feed Point	in mm	37.88 962	42.63 1,083	49.25 1,251	58.50 1,486	58.50 1,486	77.69 1,973	95.25 2,419	114.38 2,905
G = Width Outside The Flywheels	in mm	96.00 2,438	108.00 2,743	96.00 2,438	100.38 2,550	114.00 2,896	120.00 3,048	120.00 3,048	128.00 3,251
H = Width Of The Base Frame	in mm	51.50 1,308	68.00 1,727	52.00 1,321	66.00 1,676	72.50 1,842	76.50 1,943	74.00 1,880	93.25 2,369
I = Flywheel Diameter	in mm	42.00 1,067	52.00 1,321	52.00 1,321	52.00 1,321	52.00 1,321	65.00 1,651	65.00 1,651	78.00 1,981

Specifications*

		2236	2248	2540	3242	3254	3648	4250	5060
Jaw Opening	in mm	22 x 36 559 x 914	22 x 48 559 x 1,219	25 x 40 635 x 1,016	32 x 42 813 x1,067	32 x 54 813 x 1,372	36 x 48 914 x 1,219	42 x 50 1,067 x 1,270	50 x 60 1,270 x 1,524
Weight	lb kg	23,500 10,660	42,000 19,050	36,500 16,555	54,000 24,545	62,000 28,120	75,500 34,246	100,000 45,360	183,600 83,280
Horsepower Recommended Electric	HP kW	60 45	125 95	125 95	150 115	200 150	200 150	200 150	300 225
Operating Speed	RPM	250	250	250	225	225	225	225	200
Eccentric Shaft Material **Diameter At Center** **Diameter At Pitman Bearing** **Diameter At Side Bearing** **Diameter At Flywheel**	 in(mm) in(mm) in(mm) in(mm)	Forged Steel 9.75(247) 8.66(220) 7.09(180) 6.00(152)	Forged Steel 11.00(279) 10.24(260) 8.66(220) 6.94(176)	Forged Steel 10.50(267) 9.45(240) 7.87(200) 6.94(176)	Forged Steel 13.38(340) 11.81(300) 10.24(260) 9.00(229)	Forged Steel 13.38(340) 11.81(300) 10.24(260) 10.00(254)	Forged Steel 14.13(359) 12.60(320) 11.02(280) 10.00(254)	Forged Steel 14.13(359) 12.60(320) 11.02(280) 10.00(254)	Forged Steel 17.75(451) 15.75(400) 14.17(360) 12.00(305)
Overall Shaft Length	in mm	96 2,438	108 2,743	92 2,438	102 2,591	114 2,896	112 2,845	112 2,845	120 3,048
Jaw Material **Stationary Length** **Movable Length** **Max. Discharge Setting**** **Min. Discharge Setting****	 in(mm) in(mm) in(mm) in(mm)	Manganese 39.75(1,010) 43.00(1,092) 6.00(152) 1.50(38)	Manganese 46.00(1,168) 52.00(1,321) 8.00(203) 2.00(51)	Manganese 51.00(1,295) 56.00(1,422) 6.00(152) 2.00(51)	Manganese 60.50(1,537) 68.25(1,734) 10.00(254) 3.00(76)	Manganese 60.50(1,537) 68.25(1,734) 11.00(279) 3.00(76)	Manganese 76.00(1,930) 85.00(2,159) 12.00(305) 3.00(76)	Manganese 94.00(2,388) 94.00(2,388) 14.00(356) 3.00(76)	Manganese 110.00(2,794) 121.00(3,073) 14.00(356) 4.00(102)
Flywheel Material **Diameter And Face**	 in x in mm x mm	Cast Iron 42 x 12.50 1,069 x 318	Cast Iron 52 x 14.75 1321 x 375	Cast Iron 52 x 14.75 1,321 x 375	Cast Iron 52 x 16.75 1,321 x 425	Cast Iron 52 x 16.75 1,321 x 425	Cast Iron 65 x 21.00 1,651 x 533	Cast Iron 65 x 21.00 1,651 x 533	Cast Iron 78 x 18.00 1,981 x 457

*These specifications are subject to change without prior notice or obligation.
**Measured peak to peak on jaw dies.

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