

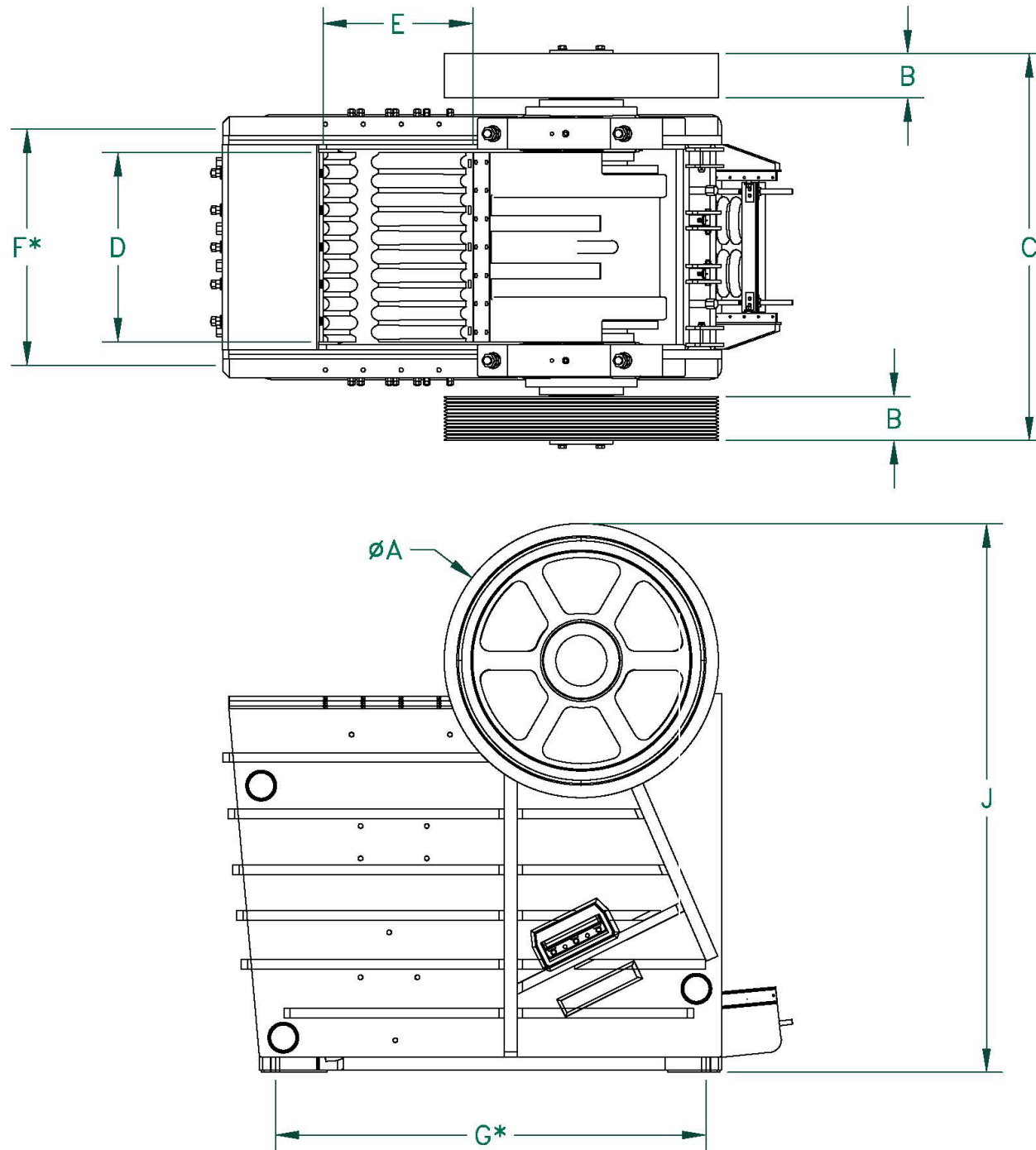
# JAW HEAVY-DUTY CRUSHERS



Using finite element analysis, Lippmann engineers have been able to design jaw crushers for maximum strength, rugged endurance, and least cost of ownership in the industry. Frames are stress relieved before machining to ensure uniform heavy-duty strength.

- Heavy-duty, oversized heat-treated shafts forged of special alloy to handle overloads and hard material
- Radial Thrust tapered roller bearings, the best design for absorbing and withstanding shock, radial, and thrust loads
- Longer jaw length to provide increased crushing area, steeper nip angle and increased capacity
- Curved jaw dies to provide non-choking crushing action, reversible for increased wear
- Rugged frame with heavy-ribbed steel plate construction at stress points, stress relieved by heat treating before machining
- Inside contact surfaces are fully machined
- Lubrication easily checked. Positive oil-level gauges assure correct lubrication of bearings
- Protected pitman hub with rock ribs reduce wear due
- Cheek plates are one-piece or two-piece for easy replacement
- Positive setting adjustment shims provide easy change of discharge opening with aid of hydraulic pumps
- Extension wedges hold jaw dies rigidly across full width
- Dynamically balanced flywheels reduce vibration
- Toggle Plate is set at an optimum angle for maximum crushing

# CRUSHER DIMENSIONS



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		22x42	22x48	24x36	24x50	30x42	30x48	30x55	30x62	36x50	38x62	42x48	48x50	50x62
<b>A</b>	Inches	48	48	48	48	60	60	54	60	60	68	68	68	87
	mm	1219	1219	1219	1219	1524	1524	1372	1524	1524	1727	1727	1727	2210
<b>B</b>	Inches	14	14	14	14	16	16	14	16	16	21	21	21	14
	mm	365	365	365	365	413	413	356	413	413	533	533	533	356
<b>C</b>	Inches	86	92	80	91	92	98	97	110	102	122	111	111	123
	mm	2178	2330	2026	2318	2337	2489	2451	2794	2578	3092	2826	2826	3124
<b>D</b>	Inches	42	48	36	50	42	48	55	62	50	62	48	50	62
	mm	1067	1219	914	1270	1067	1219	1397	1575	1270	1575	1219	1270	1575
<b>E</b>	Inches	22	22	24	24	30	30	30	30	36	38	42	48	50
	mm	559	559	610	610	762	762	762	762	914	965	1067	1219	1270
<b>F*</b>	Inches	54	60	46	60	58	61	72	73	63	73	61	61	77
	mm	1372	1524	1168	1524	1473	1549	1829	1854	1600	1854	1549	1549	1956
<b>G*</b>	Inches	70	72	66	72	91	84	83	92	103	103	114	124	137
	mm	1784	1829	1670	1829	2318	2134	2108	2337	2616	2616	2896	3137	3470
<b>H<sup>1</sup></b>	Inches	56	56	61	56	80	70	37	64	82	82	106	107	119
	mm	1410	1410	1549	1410	2019	1778	949	1613	2083	2083	2680	2713	3032
<b>J</b>	Inches	84	84	92	84	116	105	108	99	119	124	148	147	174
	mm	2140	2140	2324	2140	2946	2667	2731	2508	3023	3137	3747	3745	4423
<b>Mounting Bolt Diameter</b>	Inches	2	2	2	2	2	2	2	2	2	2	2	2	3
	mm	39	39	39	39	52	52	39	52	52	52	52	52	64
<b>Crusher Weight</b>	lbs	36,300	44,000	31,000	43,900	65,200	64,200	57,500	73,000	92,000	117,250	130,000	140,000	218,000
	kg	16,465	19,958	14,061	19,913	29,574	29,121	26,082	33,112	41,730	53,184	58,967	63,503	98,883

\* Dimension denotes crusher mounting hole centers.

<sup>1</sup> Dimension is from bottom of mounting surface to top of feed side of crusher frame (Jaw can be mounted flat or tipped, drawing to confirm orientation is recommended)

# CRUSHER CAPACITIES

Gape x Width Inches [mm]	HP (Electric Drive Motor)	RPM	Hydraulic toggle or Manual toggle plate option							Manual toggle plate option only							
			Closed Side Setting (CSS) inches														
			Inches mm	2 51	3 76	4 102	5 127	6 152	7 178	8 203	9 229	10 254	11 279	12 305	13 330	14 356	
22 x 42 [560 x 1070]	125	275	STPH	107-136	134-164	166-194	194-223	223-278	251-302	278-333	334-390	389-444	444-510				
			MTPH	[97-123]	[122-149]	[151-176]	[176-202]	[202-252]	[228-274]	[252-302]	[303-354]	[353-403]	[403-463]				
22 x 48 [560 x 1220]	150	275	STPH	127-159	159-191	191-223	223-254	254-317	281-349	317-381	382-445	444-507	509-571				
			MTPH	[115-144]	[144-173]	[173-202]	[202-230]	[230-288]	[255-317]	[288-346]	[347-404]	[403-460]	[462-518]				
24 x 36 [610 x 920]	100	275	STPH		127-153	153-170	179-204	204-254	231-282	254-306	305-355	354-408	407-462	508-584			
			MTPH		[115-139]	[139-154]	[162-185]	[185-230]	[210-256]	[230-278]	[277-322]	[321-370]	[369-419]	[461-530]			
24 x 50 [610 x 1270]	150	275	STPH		166-184	205-229	231-256	261-288	294-325	326-361	386-425	451-518	513-588				
			MTPH		[151-167]	[186-208]	[210-232]	[237-261]	[267-295]	[296-327]	[350-386]	[409-470]	[465-533]				
30 x 42 [770 x 1070]	200	230	STPH			220-248	248-278	278-344	301-366	344-410	441-477	476-542	542-675	675-811	807-948		
			MTPH			[200-225]	[225-252]	[252-312]	[273-332]	[312-372]	[413-482]	[432-492]	[492-612]	[612-736]	[732-860]		
30 x 48 [770 x 1220]	200	230	STPH			226-259	259-303	303-378	339-417	378-454	455-531	594-659	659-755				
			MTPH			[205-235]	[235-275]	[275-343]	[308-378]	[343-412]	[445-491]	[539-598]	[598-685]				
30 x 55 [770 x 1400]	200	230	STPH			250-300	288-345	345-415	400-480	420-500	500-600	600-715	720-860				
			MTPH			227-272	261-313	313-377	363-435	381-454	454-544	544-650	653-780				
30 x 62 [770 x 1580]	200	220	STPH			220-243	280-309	337-375	399-421	420-463	491-541	570-628	650-717	799-882			
			MTPH			[200-220]	[254-280]	[306-340]	[362-382]	[381-420]	[445-491]	[517-570]	[590-650]	[725-800]			
36 x 50 [920 x 1270]	250	220	STPH				342-375	375-468	421-527	468-573	573-661	661-750	750-926	927-1136	1135-1246	1177-1316	
			MTPH				[310-340]	[340-425]	[382-478]	[425-520]	[520-600]	[600-680]	[680-840]	[841-1031]	[1030-1130]	[1068-1194]	
38 x 62 [970 x 1580]	250/300	210	STPH				372-424	408-468	459-527	510-586	624-713	720-823	816-936	1008-1149	1236-1397	1356-1559	
			MTPH				[337-385]	[370-425]	[416-478]	[463-532]	[566-647]	[653-747]	[740-849]	[914-1042]	[1121-1267]	[1230-1414]	
42 x 48 [1070 x 1220]	250	210	STPH					386-489	441-550	489-595	599-689	688-780	788-966	966-1177	1069-1178	1176-1309	
			MTPH					[350-444]	[400-499]	[444-540]	[543-625]	[624-708]	[715-876]	[876-1068]	[970-1069]	[1067-1188]	
48 x 50 [1220 x 1270]	250	210	STPH						464-578	514-625	629-724	723-819	828-1015	1015-1237	1123-1237	1235-1375	
			MTPH							[421-524]	[466-567]	[571-657]	[656-743]	[751-921]	[921-1122]	[1019-1122]	[1120-1247]
50 x 62 [1270 x 1580]	300/350	190	STPH								600-650	700-775	850-915	980-1088	1199-1301	1400-1499	1599-1700
			MTPH									[544-590]	[635-703]	[771-830]	[889-987]	[1088-1180]	[1270-1360]