

TELSMITH

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TELSMITH MIDSIZE JAW CRUSHERS MODELS 1021 THRU 3042

Dependable productivity at the lowest cost per ton – that's the standard for Telsmith jaw crushers. With 7 models ranging from the 1021 to the 3042 and a century of industry expertise, Telsmith jaw crushers have proven themselves in the most difficult sand & gravel, quarried rock and recycling operations.

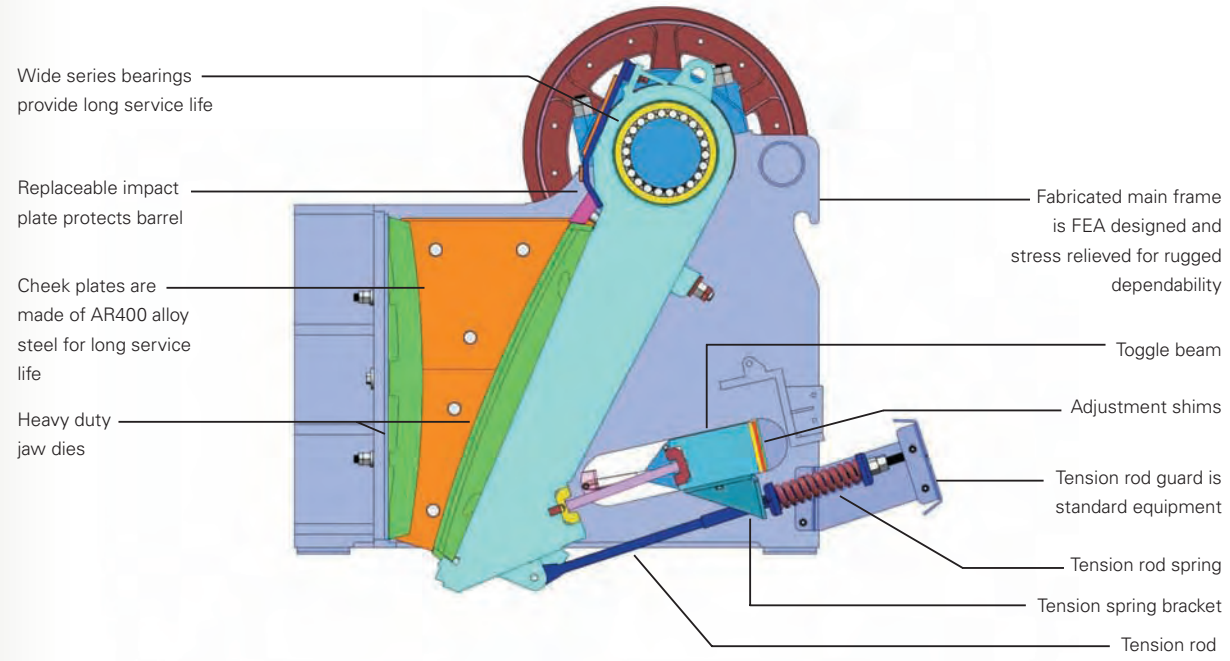
The crusher main frame is the core element to success. Every Telsmith frame is engineered and crafted of welded steel, and fully stress-relieved for durability. Precision machining completes the frame, establishing a solid core on which to build a dependable, long-term jaw crusher.

Maintaining optimum crusher performance and a safe working environment is easy with our

exclusive Telsmith traveling beam adjustment system. Using hydraulic cylinders and a unique tension spring bracket, Telsmith jaw crushers are simple and quick to maintain. This safe, user-friendly system, means maintenance crews are inclined to change settings regularly allowing the plant to perform consistently at optimum levels.

Our commitment to service and support is as dependable as our crushers. From a committed parts team that understands the importance of timely delivery, to knowledgeable remote service technicians available at your job site, to factory sponsored technical training sessions; Telsmith helps you get the most from your investment.

SECTION VIEW:



PRODUCTION PERFORMANCE:

Jaw Crusher Capacity												
Crusher Settings												
Model	CSS	3/4" (19 mm)	1" (25 mm)	1 1/2" (38 mm)	2" (50 mm)	2 1/2" (63 mm)	3" (75 mm)	3 1/2" (90 mm)	4" (100 mm)	5" (125 mm)	6" (150 mm)	7" (175 mm)
1021	stph	12-16	15-20	19-26	22-33							
	mtph	11-14	14-18	17-23	20-30							
1538	stph		43-64	53-79	57-86	67-100	76-114	85-128				
	mtph		39-58	48-71	51-77	60-90	68-103	77-115				
2036	stph			64-115	75-135	85-155	96-174	108-192	146-210*	165-250*		
	mtph			58-104	68-122	77-140	86-157	97-173	131-189*	149-225*		
2044	stph			90-151	110-168	123-192	152-217	167-243	183-267	212-316		
	mtph			81-136	99-151	111-173	137-195	150-219	165-240	191-284		
2250	stph				143-233	160-260	182-296	198-322	219-358	251-409		
	mtph				129-210	144-234	164-267	179-290	197-322	226-368		
2540	stph					133-217	148-237	160-259	178-282	206-334	234-389*	266-444*
	mtph					120-195	133-213	144-233	160-254	185-301	211-350*	239-400*
3042	stph					150-230	167-252	183-273	197-319	230-342	270-405*	310-505*
	mtph					135-207	150-227	165-246	177-287	207-308	243-365*	279-455*

*The crusher requires a short toggle to operate at this setting.

ADVANCED ADJUSTMENT SYSTEM:

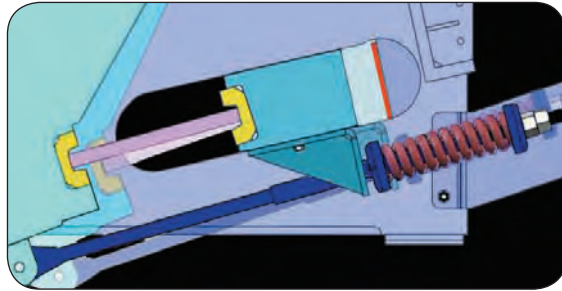
You've seen it before, a maintenance crew putting off adjusting the crushers closed side setting (CSS) because it creates too much downtime, or it's too much of a hassle. The result: lower productivity.

The solution: TelSmith's traveling beam adjustment system on models 1021 through 3042. It's a reliable and easy-to-use adjustment system that allows your maintenance crew to adjust the setting quickly and easily.

The adjustment process is simple: A standard hand pump activates hydraulic cylinders to move the toggle

beam toward the pitman. Once enough space is available, adjustment shims are added or removed from the side of the machine. Hydraulic cylinders then push the beam back in place against the shims. Simply tighten the lock bolts and you are done.

There is no need to adjust the tension spring when adjusting the CSS. Because the spring bracket is bolted directly to the beam, the spring tension doesn't change when the CSS is adjusted. This unique approach speeds the adjustment process and eliminates one of the biggest hassles of adjusting most jaw crushers.



- Allows for a safe adjustment because the hydraulic cylinder does the difficult work of moving the beam forward and back.
- The adjustment is fast and easy because the tension rod spring mount moves with the toggle beam, eliminating the need to adjust the spring when shims are added.



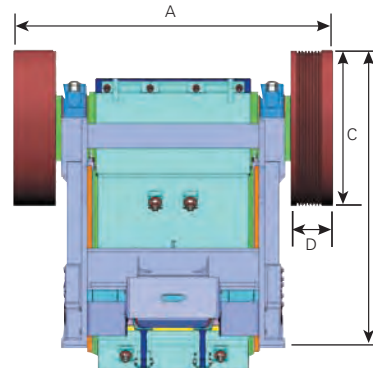
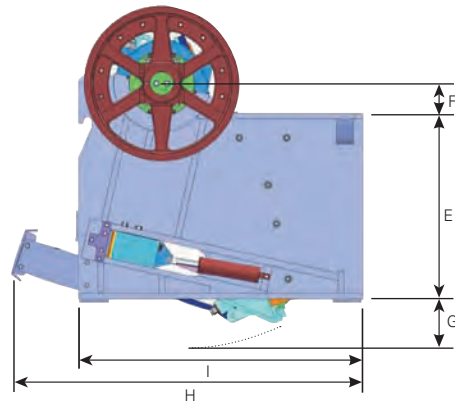
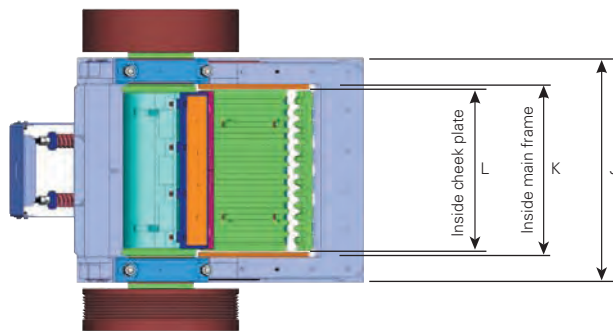
- Smaller lightweight shims are easy to work with and safe to handle.
- For ease of access, shims are inserted from the side of the jaw.

Typical Jaw Crusher Product Gradations													
% Passing Sieve Size													
Sieve Size	CSS	3/4" (19 mm)	1" (25 mm)	1 1/2" (38 mm)	2" (50 mm)	2 1/2" (63 mm)	3" (75 mm)	3 1/2" (90 mm)	4" (100 mm)	5" (125 mm)	6" (150 mm)	7" (175 mm)	
11"	278 mm											100	
10"	253 mm											100	97
9"	228 mm										100	98	91
8"	202 mm										98	91	85
7"	177 mm									100	91	81	76
6"	152 mm								100	92	81	71	65
5"	127 mm					100	100	95	80	69	60	51	
4"	101 mm				100	96	89	82	66	55	46	39	
3"	76 mm		100	100	93	82	72	62	49	39	32	27	
2"	51 mm	100	97	80	65	55	47	41	28	23	20	17	
1 1/2"	38 mm	88	80	63	48	39	33	28	21	17	15	12	
1"	25 mm	68	55	43	28	25	24	18	14	11	10	7	
1/2"	13 mm	33	25	19	14	12	12	10	7	6	5	3	
1/4"	6.4 mm	14	12	9	7	6	6	5	3	3	2	2	

Notes: Capacities are approximate total throughput based on an average material having a bulk density of 100 lbs/ft³. Throughput capacity will vary depending on the type of material, feed gradation, moisture content, feed method and other site specific operating conditions. Output gradations are approximate and will vary depending on the type of material, moisture content, feed gradation, feed rate and other site specific operating conditions. Settings listed are for jaws in closed position and measured peak to peak.

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**General Dimensions**

Model		A	B	C	D	E	F	G	H	I	J	K	L
1021	US	51 1/4"	51 3/8"	33"	8 1/2"	28 7/8"	6"	15 5/8"	60"	46"	36"	24"	22"
	mm	1302	1305	838	216	733	152	397	1524	1168	914	610	559
1538	US	83 1/2"	68"	48 1/2"	12 1/2"	38"	5 3/4"	18 3/4"	91"	61"	55"	42"	39"
	mm	2121	1727	1232	318	965	146	476	2311	1549	1397	1067	991
2036	US	86 1/2"	81 3/4"	50"	14 3/4"	50 3/4"	6"	18 1/2"	95"	71"	54"	40"	37"
	mm	2197	2076	1270	375	1289	152	470	2413	1803	1372	1016	940
2044	US	86 3/8"	81"	48 1/2"	12 1/2"	50 3/4"	6"	18 1/2"	98"	71"	60"	46"	44"
	mm	2194	2057	1232	318	1289	152	470	2489	1803	1524	1168	1118
2250	US	100 3/4"	87"	54"	14 3/4"	54"	6"	23 1/2"	103"	82 1/2"	71 1/4"	54 1/4"	50 1/4"
	mm	2559	2210	1372	375	1372	152	597	2616	2096	1810	1378	1276
2540	US	90 3/4"	89"	54"	14 3/4"	56"	6"	21"	110"	81"	61 1/4"	44 1/4"	41 1/4"
	mm	2305	2261	1372	375	1422	152	533	2794	2057	1556	1124	1048
3042	US	97 3/4"	108 1/2"	60"	14 3/4"	66"	12 1/2"	30"	116"	102"	66 1/4"	46 3/4"	43 1/2"
	mm	2483	2756	1524	375	1676	318	762	2946	2591	1683	1188	1105

Note: Dimensions are approximate, rounded to the nearest 1/4"

General Specifications

Model	Net Weight		Export Packed		HP	RPM	Lubrication	
	Lbs	Kgs	Lbs	Kgs			Standard	Optional
1021	6,400	2,903	6,600	2,994	20	350	Grease	N/A
1538	19,800	8,981	20,600	9,344	60	265	Grease	Oil
2036	27,400	12,428	28,400	12,882	100	265	Grease	Oil
2044	25,500	11,567	26,600	12,066	100	290	Grease	N/A
2250	41,500	18,824	43,500	19,731	125	260	Grease	Oil
2540	35,500	16,103	36,500	16,556	125	260	Grease	Oil
3042	44,500	20,185	46,000	20,865	150	290	Grease	Oil

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