



BASE

Low carbon steel single side plate and open box end fabrication welded in proper sequence with suitable rod to reduce stress. Replaceable stationary jaw die retention lip.

PITMAN

Ribbed open back cast steel design for minimizing weight while maintaining strength. Replaceable moving jaw die retention lip.

SHAFT

SAE4140 forged steel shaft is precision machined for eccentricity and bearing journals.

BEARINGS

Spherical roller self aligning type with straight bore pitman bearings and tapered bore main bearings. Pillow block housing mounted in saddle blocks for maximum support and precise alignment to reduce loading on shaft and bearings. The self-aligning bearings prevent side movement of the pitman assembly, thus eliminating the need for side thrust assemblies.

NOTE: Specifications are subject to change without notice.

LUBRICATION

Grease system.

FLYWHEELS

Cast iron 63" diameter standard flywheels. Drive flywheel has 10-5V grooves.

TOGGLE

Iron 28 1/2" standard length toggle plate with other lengths available for specialized applications. Alloy cast steel toggle seat.

SIDE LINERS

Abrasion resistant steel key and heel plates protect crushing chamber.

JAW DIES

Manganese steel jaw dies with machined back available in one or two piece design.

ADJUSTMENT

Hydraulic dual wedge for quick and easy setting of crusher.

CRUSHER DATA:

Jaw Opening (Gap): 33" (838mm)

Jaw Width: 52" (1321mm)

Moving Jaw, Overall Depth: 74" (1880mm)

Stationary Jaw, Overall Depth: 69" (1753mm)

Weight: 65,100lb (29,555kg)

Power Required (HP): 200 Electric, 250 Diesel

RPM: 225 Maximum

Stroke: 1 1/2"

PEAK to PEAK CLOSED SIDE SETTING

Approximate Capacity

Crusher Setting

(Close of Stroke)	inches	3 1/2"	4"	5"	6"	7"
	mm	89	102	127	152	178
* Tons per Hour		275	360	416	484	553
	mt/h	250	328	378	440	503

Test Sieve	APPROXIMATE GRADATIONS AT PEAK TO PEAK CLOSED SIDE SETTINGS														Test Sieve
	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	3 1/2"	4"	5"	6"	7"	8"	Sizes	
Sizes (in.)	19	25.4	31.8	38.1	50.8	63.5	76.2	89.1	102	127	152	178	203	Sizes (mm)	
12											100	98	95	305	
10										100	97	95	90	254	
8									100	96	92	85	75	203	
7	Values Are Percent Passing								100	97	92	85	76	65	178
6							100	98	93	85	74	65	53	152	
5						100	97	95	85	73	62	52	40	127	
4					100	96	90	85	70	56	45	38	28	102	
3				100	93	85	75	65	50	38	32	27	23	76.2	
2 1/2			100	95	85	73	62	52	38	31	24	22	17	63.5	
2		100	96	85	70	55	47	39	28	24	20	17	13	50.8	
1 1/2	100	93	85	67	49	39	33	27	21	18	15	13	10	38.1	
1 1/4	96	85	73	55	39	31	27	23	17	15	13	10	8	31.8	
1	85	69	55	40	29	24	20	17	14	12	10	8	6	25.4	
3/4	66	49	39	28	21	18	15	13	11	9	8	6	5	19.0	
1/2	41	29	24	19	14	12	10	9	7	6	6	5	4	12.7	
3/8	28	21	18	14	11	9	8	7	5	5	5	4	3	9.53	
1/4	18	14	12	10	7	7	6	5	4	4	4	3	2	6.35	
#4	12	10	9	7	5	5	4	4	3	3	3	2	1	#4	
#8	6	6	5	5	4	4	3	3	2	2	2	1	0.5	#8	

* Based on material weighing 2700 lb per cubic yard.
Capacity may vary with material characteristic.

NOTE: Specifications are subject to change without notice.

**FOR MORE INFORMATION CALL 1-800-542-9311 AND ASK FOR A PIONEER EQUIPMENT SPECIALIST.
YOUR AUTHORIZED DEALER:**

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