



BASE

Low carbon steel single side plate and box end fabrication welded in proper sequence with suitable rod to reduce stress.

PITMAN

Ribbed open back cast steel design for minimizing weight while maintaining strength.

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 or optional oil circulating system.

FLYWHEELS

Ductile iron 50" and 38" diameter standard flywheels. Drive flywheel has 10C grooves. Optional diameters are available.

TOGGLE

Ductile iron 19" 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 various profiles to meet all applications.

ADJUSTMENT

Shim adjust with hydraulic positioning for easy setting of crusher.

CRUSHER DATA:

Jaw Opening (Gap): 15" (381mm)

Jaw Width: 36" (914mm)

Moving Jaw, Overall Depth: 38 3/4" (984mm)

Stationary Jaw, Overall Depth: 35" (889mm)

Weight: 17,500lb (7,945kg)

Power Required (HP): 75 Electric, 110 Diesel

RPM: 290 Maximum

Stroke: 1 1/4"

PEAK to PEAK CLOSED SIDE SETTING

Approximate Capacity

Crusher Setting

(Close of Stroke)	inches mm	1 1/2" 38	2" 51	2 1/2" 64	3" 76	3 1/2" 89
* Tons per Hour		54	68	81	95	109
mt/h		49	62	74	86	99

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"	Sieve		
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	254	
8										100	96	92	85	75	203	
7	Values Are Percent Passing									100	97	92	85	78	65	178
6								100	98	93	85	74	65	53	152	
5								100	97	95	85	73	62	52	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	8	38.1	
1 1/4	96	85	73	55	39	31	27	23	17	15	13	10	8	6	31.8	
1	85	69	55	40	28	24	20	17	14	12	10	8	6	5	25.4	
3/4	66	49	39	28	21	18	15	13	11	9	8	6	5	4	19.0	
1/2	41	29	24	19	14	12	10	9	7	6	5	4	3	2	12.7	
3/8	28	21	18	14	11	9	8	7	5	5	4	3	2	1	9.53	
1/4	18	14	12	10	7	7	6	5	4	4	4	3	2	1	6.35	
#4	12	10	9	7	5	5	4	4	3	3	3	2	1	1	#4	
#8	6	6	5	5	4	4	3	3	2	2	2	1	1	0.5	#8	

* Based on material weighing 2700 lb per cubic yard. Capacity may vary as much as $\pm 25\%$.

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

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