900 x 300 m/m
36"x12"

MODEL Nº
S.T. 900300

ROLLER BEARING SINGLE TOGGLE SECONDARY JAW CRUSHER

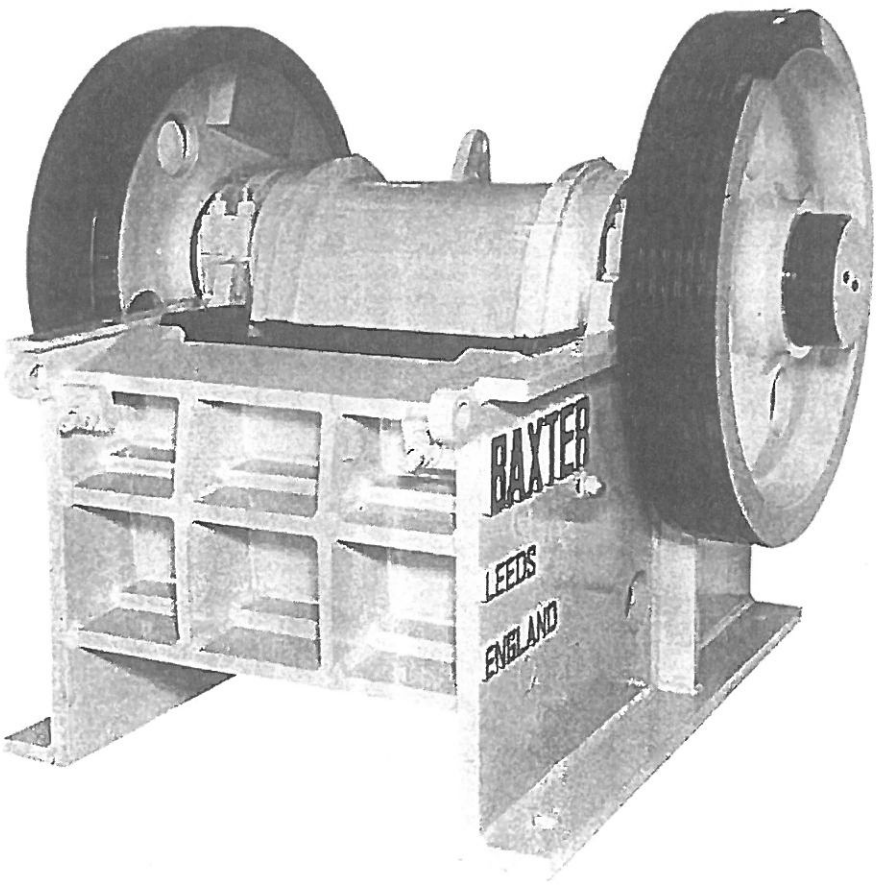
WITH HYDRAULIC JAW SETTING SYSTEM

This Crusher is intended for secondary crushing duties. It is designed to accept a Crusher run feed 280 mm (11") cube (max.) from primary Crushers. The machine has been designed with an extra heavy frame and jawstock to withstand high shock loads imposed in the crushing of hard and abrasive materials; hydraulic adjustment fitted for quick jaw setting.

APPROXIMATE OUTPUT DATA

Size of Crusher Mouth		Max. Size of Feed		Min. recommended Jaw Setting		Approximate Capacity in Long Tons (2,240 lbs.) per Hour at Various Settings									
Ins.	m/m	Ins.	m/m	Ins.	m/m	Ins.	m/m	Ins.	m/m	Ins.	m/m	Ins.	m/m	Ins.	m/m
						1	26	1½	38	2	50	2½	64	3	76
36 x 12	914 x 305	35 x 11	890 x 280	1	26	20—25		30—35		35—40		40—50		60—70	

NOTE: The Approximate Capacities given above are based on a continuous feed of hard limestone weighing at least 100 lb. per cubic foot. It must be emphasised that capacities are subject to variation dependent upon the actual material being crushed and method of feed.



Specification

1 MAIN FRAME
The frame is a one piece steel electrically welded fabrication which is stress relieved, shot blasted and zinc sprayed after welding. This type of construction ensures maximum strength and rigidity. The frame is precision machined to accommodate the main roller bearings, and internal parts.

2 JAWSTOCK
Heavy cast steel construction to give high strength. The jaw stock is precision machined to accommodate the roller bearing assembly, the eccentric shaft seals, swing jaw and toggle bearing.

3 ROLLER BEARINGS
The Crusher is fitted with four super quality heavy duty double row self aligning roller bearings. All bearings are sealed against the ingress of dust and moisture.

4 ECCENTRIC SHAFT
Machined from a high quality steel forging oil hardened and tempered and accurately precision machined to accommodate the roller bearings. The bearings are mounted on the shaft taper journals with hydraulic assistance and to ensure rapid hydraulic assisted removal.

5 JAWS
Both the fixed and swing jaws are cast in high quality chrome manganese steel. Both jaws are reversible to give double life. The back face of both jaws are machined to ensure accurate contact.

6 TOGGLE PLATE
The Toggle Plate is cast in special wear resistant iron, drilled for lubrication purposes and fitted with grease pipes and connections.

TOTAL WEIGHT: 7,990 kgs (17,620 lbs)

SPEED: 320 R.P.M.

7 FLYWHEELS
The two flywheels are of solid grey cast iron. To ensure that the Crusher runs silently and free from vibration, both flywheels are correctly balanced. Normally the machine is driven by vee belts. One flywheel is grooved for this purpose.

8 TOGGLE BEARINGS (CUSHIONS)
The bearings are produced from high quality wear resistant alloy steel to ensure long life. Both bearings are easily renewed.

9 LUBRICATION
All Roller Bearings are grease packed during assembly in our Works. Provision is made for the lubrication of the roller bearings and seals by means of a grease gun through pressure nipples.

10 SIDE PLATES (CHEEK PLATES)
The side plates are of one piece construction manufactured from wear resistant steel plate.

11 DRAWBAR MECHANISM
Consists of two steel drawback rods with adjustable rubber compression blocks.

12 JAW ADJUSTMENT
The jaw setting is determined by machined shims inserted between the toggle block and the main frame seating. Adjustment is carried out by means of an hydraulic ram and pump. This system ensures rapid and accurate jaw setting adjustment.

13 DRIVE ARRANGEMENT
The Crusher is normally driven direct from an electric motor or diesel engine through vee belts.

H.P. REQUIRED: 50/60

MINIMUM SETTING: 1"

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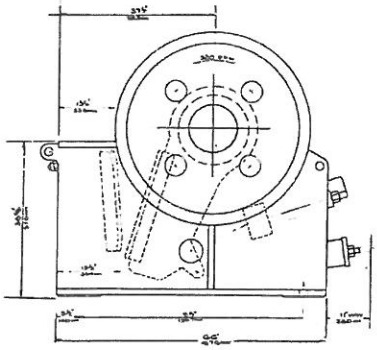

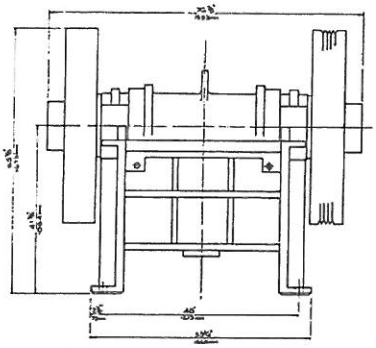

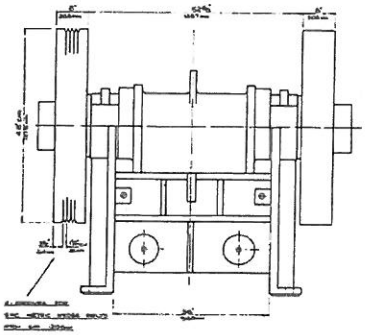

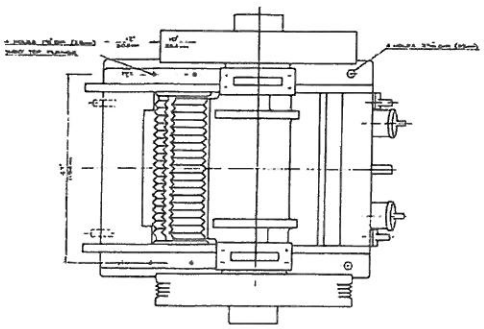

Shipping:

The Crusher is despatched as a complete assembly.

Measurements: 1.956 × 1.956 × 1.689 metres
Gross Weight: 7,824 kilos (17,250 lbs)

Parts and Accessories

One Case: 1.346 × 0.711 × 0.406 metres
Gross Weight: 227 kilos (500 lbs)