REVERSIBLE IMPACTORS



DESIGN FEATURES INCLUDE:

- Heavy robust frame designed for added protection against the most difficult materials and the heavy duty double-row, self-aligning, spherical roller bearings ensure longer running life.
- Wide range of machines available capable of accepting up to 15" (380mm) feed sizes of a capacity rate in excess of 600 tonnes per hour.
- Reversing the Rotor direction each shift considerably reduces the necessity for changing hammers and breaker liners.

SPECIFICATION

FRAME

Heavy robust construction fabricated from steel plate. Designed for heavy duty and easy access.

ROTOR

Special heat-treated alloy steel with added strength designed at the centre where strength and rigidity are most needed. Disc plates and spacing collars protect the shaft which is extended beyond the bearings on one side to accommodate the drive pulley or coupling. The double-sided, heavy-headed hammers are free swinging to minimize crushing shock 'and to allow give' in emergencies. Hammer design provides for greatest possible weight in the sledge head with a broad striking face to impact the maximum crushing energy. Hammers are cast manganese steel which are mounted on large diameter suspension pins and held in the crushing position by centrifugal force. The discs are of heavy section, specially hardened, carbon steel, fully machined, balanced and keyed to the main shaft. Flanged end discs form a seal with the side frame liners.

- Design incorporates easy access by opening the end of the crusher. This is made easier by the use of hydraulic actuators which are available as an optional extra.
- Reversible impactors are available in two forms, one the breaker liners are mounted on externally adjustable plates and the machine has an open bottom discharge alternatively breaker liners are mounted directly on the frame end plates, grid bars in the bottom aperture ensure a consistently fine product with no oversize.

BREAKER LINERS

Extra-heavy welded steel plate with overbracing to resist crushing shock. The manganese steel liners are fully interchangeable, hard-wearing, and those with only light wear can be refitted in the main wear zone allowing maximum liner utilisation and standardization of spares. The breaker plates are pivoted at the top, and the lower edge is adjusted by two hold back bars to alter setting position in relation to the rotor circle.

BEARINGS

Double-row, self-aligning, spherical roller bearings fitted in dustproof housings. The housings are both bolted and dowelled to the frame.

MAIN FRAME LINING

Heavy duty manganese steel side and top liners. Design permits main wear zone liners, which are or mobile form.

The Reversible impactor offers High

Can be supplied in fixed, skid mounted

The Reversible impactor offers High Capacity, Low power consumption, Maximum Hammer life, low maintenance costs, good cubical products, maximum reduction with minimum fines.

interchangeable, to be changed independently of areas of little wear simplifying spares requirements and offer maximum utilisation of liners.

DRIVE

The machine can be coupled direct to the driving motor or fitted with multiple vee-belt drive depending on the application. The motor must be provided with a reversing switch on the control gear.

FOUNDATIONS

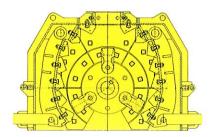
Reinforced concrete is recommended for supports but when mounting the machine on steelwork, a heavy concrete mat should be under the unit to dampen any movement. Provision must be made to carry live load due to crushing plus weight of machine. An average figure of twice the dead loading is usually employed for calculations.



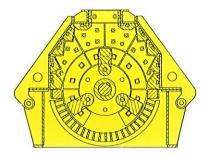
TECHNICAL DATA — Reversible Impactors

CAPACITIES — Approx (Tonnes per hour)

Model	Maximum-Feed Size		Capacity Tons per-Hour	Maximum Rotor R.P.M.	Max. Motor Horsepower
	mm	inch			
3818	203	8	75	1100	100
3824	203	8	110	1100	150
3830	203	8	130	1100	175
3836	203	8	155	1100	200
3842	203	8	180	1100	225
3848	203	8	200	1100	250
4442	254	10	240	960	300
4448	254	10	280	960	350
4462	254	10	360	960	450
4468	254	10	400	960	500
5060	381	15	460	850	600
5070	381	15	540	850	700
5080	381	15	620	850	800



Standard Reversible Impactor



Reversible Impactor with Grid Plates

NOTE:

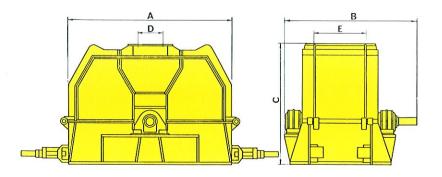
CAPACITY — Crushing medium hard limestone to approx 90% minus 34" product size in open circuit HORSEPOWER — Actual requirement will depend on crushing characteristics of rock and product size required

DIMENSIONS

Model	Base Length A Open Bottom	Overall Width B Overshaft	Height C Open Bottom	Feed Opening D	Feed Opening E
Model	ft in. mm	ft. in mm	ft. in mm	in mm	ft. in mm
3818	6 41/2 1943	4 8¾ 1441	4 8 1422	12 305	0 181/2 470
3824	6 41/2 1943	5 2¾ 1594	4 8 1422	12 305	0 241/2 622
3830	6 41/2 1943	5 834 1746	4 8 1422	12 305	2 61/2 775
3836	6 41/2 1943	6 31/2 1917	4 8 1422	12 305	3 01/2 927
3842	6 4½ 1943	7 6 2286	4 8 1422	12 305	3 61/2 1080
3848	6 4½ 1943	8 0 2438	4 8 1422	12 305	4 01/2 1232
4442	7 3 2210	7 8 2337	5 8 1727	15 381	3 6½ 1080
4448	7 3 2210	8 3 2515	5 8 1727	15 381	4 01/2 1232
4462	7 3 2210	11 21/4 3411	5 8 1727	15 381	5 2 1570
4468	7 3 2210	11 81/4 3562	5 8 1727	15 381	5 81/2 1740
5060	9 3 2210	11 5 3480	6 9 2057	22 559	5 1 1550
5070	9 3 2820	12 6 3810	6 9 2057	22 559	5 11 1803
5080	9 3 2820	13 4 4064	6 9 2057	22 559	6 9 2057

WEIGHTS

Model	Kgs	Tons	
3818	5842	5.75	
3824	6604	6.50	
3830	7468	7.35	
3836	8382	8.25	
3842	11075	10.90	
3848	11938	11.75	
4442	13666	13.45	
4448	14478	14.25	
4462	16013	15.75	
4468	17019	16.75	
5060	20320	20.00	
5070	27433	27.00	
5080	30481	30.00	



GOODWIN BARSBY LIMITED

P.O. Box 126, St.Margarets, Watling Street, Leicester LE1 9ED. Tel: (0533) 626501 Telex: 34304 Goodwn Fax: (0533) 626509

Approved to Ministry of Defence Standard AQAP4

In pursuance of this company's policy of constant development, the right is reserved to depart without notice from any detail illustrated or specified in the leaflet without incurring the obligations to provide such modifications on machines previously delivered.