

Specification	OM50	OM80	OM100
Overall Dimension			
Length	4.5 m	4.5 m	4.5 m
Width	2.0 m	2.45 m	3.0 m
Height	2.0 m	2.0 m	3.0 m
Height with Legs	3.0m - 5.0 m	3.0 - 5.0 m	3.0 - 5.0 m
Weights			
Crusher without motors	10.5 tonnes	11.5 tonnes	13.75 tonnes
Crusher - twin drive	n/a	12.25 tonnes	14.25 tonnes
Rotors (fully dressed)			
29" 3-port	380 kg	380 kg	na
35" 3-port	532 kg	532 kg	532 kg
40" 3-port	na	550 kg	550 kg
29" 5-port	420 kg	420 kg	na
35" 5-port	na	653 kg	653 kg
35" 6-port	na	665 kg	665 kg
40" 6-port	na	na	686 kg
Rotor Speeds			
29" 3-port	1400-2200 rpm	1400-2200 rpm	na
35" & 40" 3-port	1300-1800 rpm	1300-1800 rpm	1300-1800 rpm
29" 5-port	1200-2200 rpm	1200-2200 rpm	na
35" 5-port	na	1200-1700 rpm	1200-1700 rpm
35" & 40" 6-port	1000-1700 rpm	1000-1700 rpm	1000-1700 rpm
Crusher Production			
Feed size (max true measurement)	up to 40 mm	up to 65 mm	up to 75 mm
* Throughput - tonnes per hour	min 30 max 65	min 60 max 200	min 60 max 350+
* Typical production (assuming closed circuit)	30-65 tonnes/hr	60-200 tonnes/hr	30-300 tonnes/hr

* Throughput and production rates are dependent upon feed size, rotor type and product required. Typical single pass production i.e. type 1 / type 2 sub-base is as per throughput capacity. Closed circuit figures are for typical feed -60mm, +20mm, with all product -20mm. Greater ratios of production i.e. -60mm feed to produce -10mm, -5mm will result in higher recalculating loads and lower production rates, albeit these tonnages will be comparatively high compared to competitive machines

Wear Costs and Characteristics

Typical figures for wear costs in total are given below.

More accurate costing can be obtained from your dealer or direct from Ore Sizer (UK) Ltd

Type	Silica Content	Feed	Product	Cost per tonne
Granite	35-45%	-60 +20mm	-20mm	4p
Basalt	65%	-60 +20mm	-20mm	5p
Quartzite Gravel	98%	-75mm +20	-5mm sand	24p
Flint Gravel	96/98%	-80 +20mm	-20mm	14p
Pea Gravel	65%	-20 +10mm	-3.35mm	5p

Loading Data

Description	Data
Machine Weight OM 50	11.5 tonnes
Machine Weight OM 100	13.5 tonnes
Self Weight Structure	2.0 tonnes
Sub total.	27.0 tonnes (max for OM 100 and used for OM 50)
Allow for Dynamic effect	2.7
Total Load.	29.7 tonnes.
No of Support Legs.	4
Load per Leg (Max)	7.4
Allow for eccentric loading.	4.05
Max total for each Leg.	11.5 Tonnes