

Vertical shaft impactors ODV

Vertical impactors

Vertical shaft impactors ODV are used for production of aggregate containing high portion of cubic grains or where high yield of small fraction (0 – 4 mm) is required.

Crushers ODV are used in final stages of crushing where they pre-crush the prepared fractions and improve their shape index. The portion of unsuitable grains may be decreased from 45% to 15% or from 70% to 20% and possibly even higher according to properties of the crushed material in combination with the peripheral speed of the rotor. The higher the rotor speed, the lower the amount of unsuitable grains. Crushers ODV can be used for a wide spectrum of materials, hard and soft, abrasive and non-abrasive.

The material is supplied to the rotor and centrifugal force throws it either to the wall made of the crushed material deposited (stone-to-stone system) or to the armored wall (stone-to-metal system):

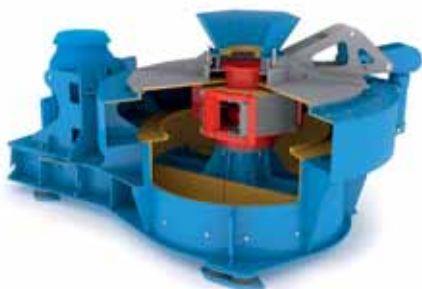
- ODV-S – stone-to-stone system
- ODV-M and ODV-SM – stone-to-metal system

Main operating properties are:

- high operating reliability
- low cost for operation and maintenance
- simple maintenance
- highly wear resistant materials of main crushing components
- tilting cover for an easy access into the crushing area

Main parameters

Type	Max. peripheral speed of the rotor	Max. inlet piece (undersize on the square mesh)	Capacity	El. motor
	m/s	mm	t/h	kW
ODV 05S/SM	80	32	10-50	37-55
ODV 08M	75	50	50-140	90-160
ODV 08S/SM				
ODV 10M	75	70	100-200	110-200
ODV 10S/SM				
ODV 12M	70	70	150-350	200-315
ODV 12S/SM				



Crushers ODV 10S



Crushers ODV 10M

CRUSHING



Crusher ODV 8SM – spilite crushing 70t/h



Crusher ODV 12SM – granite crushing 200t/h



Inner area of the crusher ODV 08SM