

JAW CRUSHERS

 **URALMASHPLANT**

Uralmashplant offers modern jaw crushers with straight jaw oscillation: SCHDP-9x12U, SCHDP-12x15U, and SCHDP-15x21U.



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Specifications

Parameter		SCHDP-9x12U	SCHDP-12x15U	SCHDP-15x21U
Feed opening size, mm	width	900±40	1200±50	1500±60
	length	1200±40	1500±50	2100±60
Max. lump size, mm	feed	750	1000	1300
	product	220	270	300
Rated discharge opening width, mm		130	155	180
Discharge opening adjustment		remote hydraulic adjustment		
Liner plate wear compensation setting, mm		60	80	100
Min. capacity at rated width of discharge opening, m ³ /h		180	310	600
Drive motor	power, kW	90...160	160...250	250...400
	speed, rpm	750	725	500
	voltage, V	660/380	660/380	6000
Movable jaw oscillation speed, min ⁻¹		200±10	170±10	140±10
Outline dimensions with drive, mm	length	7700	10000	10400
	width	5100	6500	8800
	height	3300	4300	5200
Lubrication of drive and main shaft bearings and dowel-toggle plate junction		automatic grease lubrication		
Weight of delivery set w/o spares, t		65	123	214

Reference list

Year	Model	Customer	Weight, t
2009	SCHDP-15x21U	Stoylenskiy GOK JSC	310
2009	SCHDP-15x21U	Magnitogorskiy MK JSC	225
2009	SCHDP-12x15U	Kuzbassrazresugol JSC	147
2011	SCHDP-15x21U	RUPP Granit	310
2011	SCHDP-12x15U	Uchalinskiy GOK JSC	163
2013	SCHDP-9x12U	GMK Norkickel KSC	81

The following solutions are implemented in the crusher design to supplement traditional and well-reputed design of main assemblies, and ensure reliability and ease of operation:

- remote adjustment of discharge opening;
- heavy-duty bearings of main shaft;
- automatic centralized lubrication system;
- information system;
- loading level monitoring system;
- advanced installation methods.

The frame of the crusher is a welded box-type structure made of heavy-duty structural steel. For in-mine installation, it is possible to use detachable frame consisting of 4 or more parts depending on installation conditions.

The main shaft of the crusher consists of an eccentric shaft, a pitman, bearing assemblies, a pulley and a flywheel. The main shaft may be equipped with heavy-duty bearings for severe operating conditions.

The movable jaw is a box-type structure made of cast steel is mounted on an axle, which is secured in the frame on rubber-and-steel supports (silentblocks). The main advantage of this type of supports is high cost efficiency (no lubrication required, no axle wearing, rubber parts are easily available).

The adjustment of the discharge opening is performed remotely by moving two self-locking wedges driven by hydraulic cylinders.

The rear toggle plate that has a weakened cross-section serves as a protective element in case of uncrushable material entering the crushing chamber.

Lubrication of the main shaft, toggle plate-dowel joints, and drive bearings is ensured by means of the automatic grease lubrication system.

Information about crusher performance parameters (temperature, power, oil level monitoring) is displayed at the operator's panel located on the crusher control cabinet.

Crushers are supplied complete with electrical, lubrication, and hydraulic equipment, mounting parts (including guards), tools, replaceable parts and seals, and spares.

Under the Customer's request, the crusher may be supplied with:

- modular process control system on the basis of components from the world's leading manufacturers;
- easy starting system;
- any types and quantities of spares.

Uralmashplant is ready of offer the equipment customized in accordance with the Customer's operating conditions.