



**HAPONIC**  
450'275

**DRILLING HEAD HAPONIC 450/275**

serves as a source of torque for rotation boring by means of various boring units in the construction industry. The boring head is equipped with two hydraulic motors whose connection enables to change the scope of revolutions easily. The revolutions in the given scope are controlled by means of regulating elements which are part of the hydraulic system of the boring set.

Various boring pins and flushing heads may be connected to the main shaft. The maximum torque and revolutions depend on hydraulic motors used – see the table. The main shift is movable in the axial direction so that the connection of the boring bars is easy

**TECHNICAL SPECIFICATIONS (revolution, torque, feeding):**

Variant	WS 355 (White)	DR 300 (White)	DR 200 (White)
Fast operation	78 rpm / 2355 Nm	103 rpm / 2121 Nm	147 rpm / 1449 Nm
Slow operation	39 rpm / 4710 Nm	51,5 rpm / 4242 Nm	73,5 rpm / 2898 Nm
Feeding	76 l/min / 15,5 MPa	95 l/min / 20,7 Mpa	95 l/min / 20,7 MPa
Variant	TK 400 (Parker)	BR 160 (Samhydraulik)	BR 400 (Samhydraulik)
Fast operation	95 rpm / 3450 Nm	125 rpm / 1110 Nm	51 rpm / 1836 Nm
Slow operation	47,5 rpm / 6900 Nm	62,5 rpm / 3330 Nm	25,5 rpm / 3672 Nm
Feeding	114 l/min / 20,5 MPa	60 l/min / 17,5 MPa	60 l/min / 17,5 MPa

The above figure can be reached only if the intake value of pressure and flow are observed  
Dimensions in mm (h x w x l) – 300 x 450 x approx. 400 (depending on the electric motor used)

The speed ratio  $i = 3$

Weight – around 118 kg (depending on the hydraulic motor used)

The speed is changed by means of a four-way valve which is part of the boring head.

The parameters are depending on the type of hydraulic motor used. With the agreement of the manufacturer, customer can use hydraulic motors of his change

**HAPON**  
SPOL·S R·O·

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