

RDC-148

Name DIAMOND WHEEL SAW

Material type
**GRANULAR
PITCH
ELECTRODES
LINING**

Utilization
**R&D
IN-PLANT
LAB**

General description

Depending on the analysis to be performed, cutting the electrode core to different lengths is required. This can be done by using the RDC-148 saw, which is equipped with a single blade. The length of the sawing table is initially adjusted to 130 mm and steel stoppers with different lengths are used to obtain the required sample dimensions. Samples with a diameter of up to 50 mm and a length of up to 280 mm can be cut with this equipment. Water is sprayed onto the blade during operation, a drying step is then required prior to performing any subsequent testing. For information, this equipment is not suitable for the sample preparation of the thermal conductivity test (RDC-143). These samples should be prepared with the RDC-149 Grinding Machine to ensure the parallelism required for this test. Alternatively, for a typical anode evaluation, the cutting operation can be done in one step by using the RDC-140 equipment.

Technical information

Sample:	Core up to Ø50 mm with length up to 350 mm
Process Time:	~ 1 minute
Installation:	Workbench
Dimensions (LxWxH):	80 x 53 x 44 cm
Weight:	85 kg
Electrical Property:	230V 1/N/PE, 50 Hz 0.5 kW, 2.2 A
Fluid Property:	Water 3–7 bar, 150 l/h
Database Connection:	No

Additional Recommended Equipment:

Drilling machine (RDC-157 or RDC-179)
Drying oven (min. temperature 180 °C)

