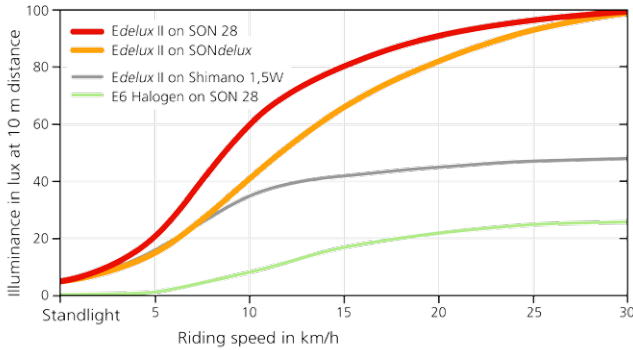


SONdelux the super light hub

The SONdelux generator is a special design to match high-quality LED-headlights, such as Edelux II. An LED's key property is the relative high light output at low power input. So we slimmed down the SONdelux magnetic system. At low riding speeds voltage rises slower compared to voltage rise with SON 28. This helps to save some weight. In addition, medium drive power is reduced by 15 %.



In contrast to mere 6 Volt 1.5 Watt hubs power output is not reduced at high speed. At high riding speed, when good visibility is vital, you will enjoy unlimited maximum illumination; using an Edelux II with up to 100 lux. So SONdelux will be first choice for everyone who prefers minimum weight (385 g), extremely smooth running plus a lot of Illumination at high riding speed.



SON XS-M and SON XS

Schmidt offers all sorts of special hub dynamo designs for small wheels. Their generators are optimized for higher rotational speeds. The outer appearance of the special SON hubs varies a lot: SON XS-M for recumbent trikes have a one-sided axle adapted to the specific manufacturer's design. Extra narrow hubs are available for folding bikes (SON XS). Latest versions of those are made with slots instead of spoke holes. Straight pull spokes go into the slots. In this way exceptionally light wheels are possible.

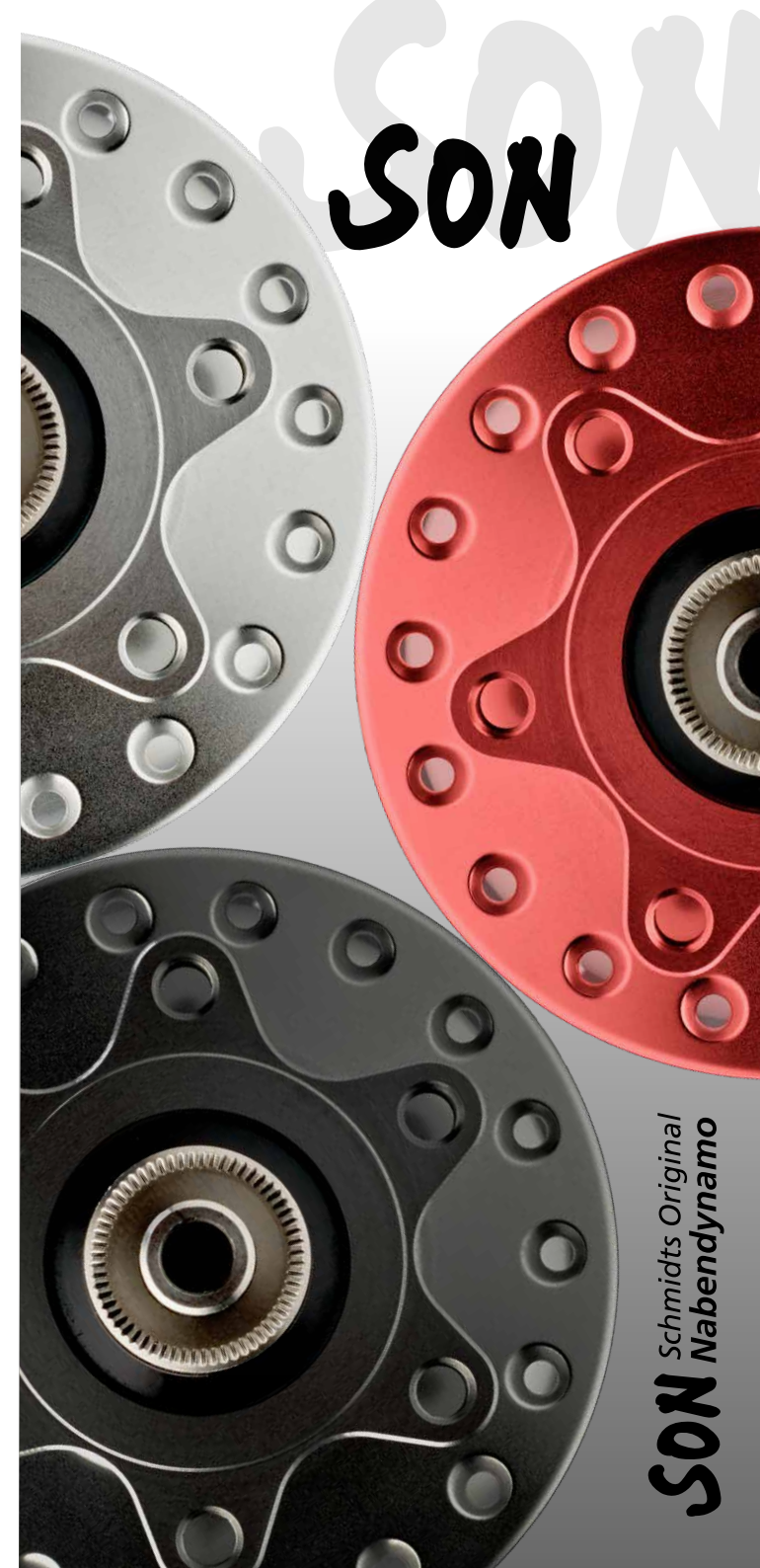


Charging Options

A rising number of cyclists make use of their hub dynamos not only to power their lights. They need to charge any kind of mobile devices. So several companies offer charging adapters that rectify the dynamo's alternating current and convert it for the mobile devices.

Your options depend on the charging adapter, on your mobile device's thirst for energy and on your individual way of cycling and using the devices. At high riding speed a hub dynamo will produce significantly more than its 3 Watts nominal power. With SONdelux possibilities are limited. We recommend SON 28 with a capable charging adapter to charge excessive power consumers such as smart phones with navigation app.

More at: www.nabendynamo.de



Schmidts Original
SON
Nabendynamo

the all-rounder

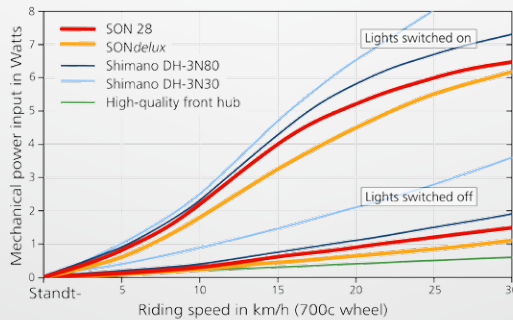
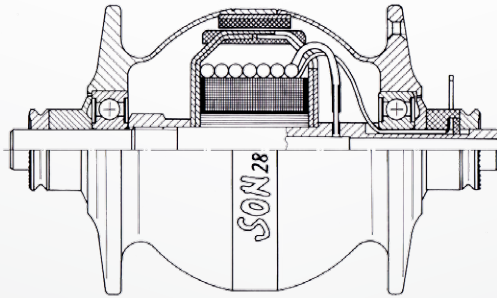
SON 28

Wilfried Schmidt Maschinenbau has developed and manufactured hub dynamos of finest quality in Tübingen since 1995. Durability and smooth running of the hub have been essential design criteria from the start. Schmidt has built more than 150.000 pcs of Schmidts Original Nabendynamo, „SON” for short. These SON hubs provide reliable lighting for commuters and sportive cyclists all over the world.

Standard model is SON 28. It conforms with German legal regulations (6 Volts 3 Watts) in 700c wheels. The 3 Watts nominal output are achieved at about 15 km/h in large wheels (700c / 29er).

The current SON 28 in spherical shape is much lighter than its predecessor. It is 440 g only. Schmidt constructed a weight-saving generator – other than competitor designs with reduced dimensions crucial for durability (e.g. thickness of flanges).

Smooth running was maintained with the new model, regardless whether lights are switched on or off. Especially when running at idle the generator proves its high quality: SON power consumption is little more than that of a high-end front hub without generator. Many standard off-the-shelf hub dynamos consume three times as much energy!



High Quality in Every Single Detail

5 year guarantee

You can build stiff wheels due to wide flange spacing and precisely-countersunk spoke holes.



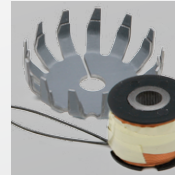
Maintenance-free sealed SKF grooved ball bearings are highly durable.



Schmidt's pressure compensation system is the vital part to guarantee long durability. A spiral tube connects to the hollow axle to allow ventilation of the hub. This prevents damage caused by water ingress.



The coil of the claw pole generator is placed in the centre. The laminated stator is made from optimised transformer sheet metal. This way Schmidt achieves unrivalled low drag.



The hub connects with robust 4.8 mm spade connectors. Accurately attached crimp connectors on Schmidt coaxial cable result in the reliable plug-in connection.



made in Tübingen



www.nabendynamo.de

03/2015

