

SON
NABENDYNAMO



made in
Germany

ENGLISH

Bike Lighting

Range of Products 2018

SON Hub Dynamos

SON hub dynamos are front hubs of excellent mechanical quality. The built-in 6Volt / 3Watt generator is made to power either headlight and rear light or a charging device.

All SON hub dynamos have SKF maintenance-free high-grade grooved ball bearings sealed on both sides. A pressure compensation system prevents water ingress.

There are two types of generators: SON 28 and SONdelux. SON 28 may be used in wheels of any size up to 700c/29" and conforms with German legal regulation StVZO. This generator type is especially recommended when at low riding speeds a lot of light or charging power is required.

The SONdelux generator is optimized for light weight and smooth running. It is designed especially for highly efficient LED-lights like Edelux II.

There are many types of SON hubs for different use and various fork builds. SON hubs are available in a choice of finishes and drillings as well.



for Standard Forks (100 mm / 9 mm QR)

Standard dimensions for bicycle forks have been 100 mm width, 9 mm axle diameter for many years. Quick releases and skewers were 5 mm. This is why there is the largest choice of SON hub dynamos for this type of fork.

SON models for rim brakes (non-disc) are symmetric and are of different flange spacing:

SONdelux: narrow (50 mm), SON 28: medium (62 mm), SONdelux wide body: wide (68 mm).

For disc brakes (disc) there are center lock mount hubs and 6-bolt mount hubs. The disc hub dynamo housings are narrower and slightly asymmetric.

Delivery includes: hex skewer (75200 / 75202)



SON 28

440 g | 62 mm flange spacing



polished	32 hole	303202
	36 hole	303602
silver anodized	32 hole	303292
	36 hole	303692
black anodized	32 hole	303212
	36 hole	303612

RRP in D **209,00 €**

red anodized	32 hole	303222
	36 hole	303622
blue anodized	36 hole	303642
orange anodized	36 hole	303662
light green anodized	36 hole	303672

RRP in D **219,00 €**



SONdelux

390 g | 50 mm flange spacing



polished	20 hole	262002
	24 hole	262402
	28 hole	262802
	32 hole	263202
	36 hole	263602
silver anodized	32 hole	263292
	36 hole	263692
black anodized	20 hole	262012
	24 hole	262412
	28 hole	262812
	32 hole	263212
	36 hole	263612

RRP in D **209,00 €**

red anodized	32 hole	263222
	36 hole	263622

RRP in D **219,00 €**



SONdelux wide body

410 g | 68 mm flange spacing

polished	28 hole	262808
	32 hole	263208
	36 hole	263608
black anodized	32 hole	263218

RRP in D **219,00 €**



SON 28 Tandem

490 g | 62 mm flange spacing
69 mm pitch circle diameter

black anodized	48 hole	304812
silver anodized	40 hole	304092
	48 hole	304892

RRP in D **229,00 €**



SON 28 disc 6-bolt

460 g

polished	32 hole	313202
	36 hole	313602
silver anodized	28 hole	312892
	32 hole	313292
	36 hole	313692
black anodized	28 hole	312812
	32 hole	313212
	36 hole	313612

RRP in D **239,00 €**

red anodized	28 hole	312822
	32 hole	313222
	36 hole	313622
blue anodized	36 hole	313642
orange anodized	36 hole	313662
light green anodized	36 hole	313672

RRP in D **249,00 €**



SON 28 disc center lock*

430 g

polished	32 hole	323202
	36 hole	323602
silver anodized	32 hole	323292
	36 hole	323692
black anodized	28 hole	322812
	32 hole	323212
	36 hole	323612

RRP in D **239,00 €**

red anodized	32 hole	323222
	36 hole	323622
blue anodized	36 hole	323642

RRP in D **249,00 €**



SONdelux disc center lock*

400 g

polished	32 hole	273202
black anodized	32 hole	273212

RRP in D **239,00 €**

red anodized	32 hole	273222
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RRP in D **249,00 €**

*center lock: center lock rotor mounting standard licensed by Shimano

for Thru Axles

Originally developed for mountain bikes thru axle hubs become a pioneering technology in touring bikes, fat-bikes and gravel bikes as well. With a thru axle hub the front wheel fits precisely and in addition it stiffens the fork.

There are SON hub dynamos for 15 mm thru axle in 100 mm standard width and in 110 mm Boost Standard as well as for 12 mm thru axle.



SONdelux 12 *disc center lock**

400 g | for 12 mm thru axle

black anodized	24 hole	392410
	28 hole	392810
	32 hole	393210
silver anodized	32 hole	393290

RRP in D **279,00 €**



NEW

SON 28 12 *disc 6-bolt*

440 g | for 12 mm thru axle

black anodized	28 hole	412810
	32 hole	413210
	36 hole	413610

RRP in D **279,00 €**



NEW

SON 28 12 *disc center lock**

420 g | for 12 mm thru axle

black anodized	28 hole	402810
	32 hole	403210
	36 hole	403610
silver anodized	32 hole	403290

RRP in D **279,00 €**

*center lock: center lock rotor mounting standard licensed by Shimano



SON 28 15

disc 6-bolt | 460 g | for 15 mm thru axle

polished	32 hole	333202
silver anodized	32 hole	333292
	36 hole	333692
black anodized	28 hole	332812
	32 hole	333212
	36 hole	333612

RRP in D **279,00 €**

red anodized	32 hole	333222
	36 hole	333622
blue anodized	32 hole	333242

RRP in D **289,00 €**



SON 28 15 110

disc 6-bolt | 480 g | Boost Standard

black anodized	32 hole	383210
	36 hole	383610
silver anodized	32 hole	383290

RRP in D **299,00 €**

red anodized	32 hole	383220
	36 hole	383620
blue anodized	32 hole	383240

RRP in D **309,00 €**



for Fatbikes

Fat bikes need electricity, too! Their extra wide forks need 135 mm hubs. For those we build SON28 135. Flange spacing is 68 mm, symmetric. The rotor is positioned at 10.4 mm (standard for front disc brakes) or 15.3 mm away from the dropout for rear disc brakes. The version for 15 mm thru axle is 150 mm width.



SON 28 135 VR

disc 6-bolt | 530 g | 10.4 mm

black anodized 32 hole 313219

RRP in D **279,00 €**



SON 28 135

disc 6-bolt | 530 g | 15.3 mm

black anodized 32 hole 313218

silver anodized 32 hole 313298

RRP in D **279,00 €**



SON 28 15 150

disc 6-bolt | 530 g

black anodized 32 hole 373210

RRP in D **339,00 €**



for Trikes

Most trikes have stub axles and disc brakes. As there are various types of axle mounts and many different disc rotor positions there is a wide range of SON XS-M.



SON XS-M

520 up to 570 g

for HP Velotechnik

for slotted axle mount
axle end Ø 12 x 42 mm

black anodized 36 hole 220611

for ICE Trike

axle end Ø 12 x 46 mm

polished 36 hole 223601

for Anthrotech

axle end Ø 12 x 40 mm

black anodized 32 hole 221211

for Steintrike

axle end Ø 12 x 54 mm

black anodized 32 hole 224211

for Catrike

axle end Ø 20 mm

Set of adapters required (see below)

black anodized 32 hole 223211

black anodized 28 hole 222811

for KMX

axle end Ø ½"

black anodized 32 hole 226210

for Christiania Cargo Bike

axle end Ø 12 x 69 mm

polished 36 hole 227601

for Aidoo Trailer

axle end Ø 12 x 13.6 mm

polished 36 hole 228601

RRP in D **319,00 €**

Set of Adapters (not shown)

for SON XS-M Catrike 75219

RRP in D **20,00 €**

More SON XS-M versions on request

Accessories for Hub Dynamos

Hex skewers make a good compromise between quick releases and locking skewers. Our skewers for 100 mm width have steel bolts of 12.9 hardness category at SW 5 mm.



Front hex skewer

30 g

for 100 mm width	silver	75200
for 100 mm width	black	75202
for Dahon, 74 mm width	silver	75205

RRP in D **5,00 €**

for Brompton, 74 mm width, stainless steel nut and bushing	silver	75204
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RRP in D **8,00 €**

Spokes

Spokes available on request,
To find out about spoke length see:
www.nabendynamo.de - Service - Spoke Length



Caps

for SONdelux / SON28 disc center lock

polished	75850
black anodized	75851
red anodized	75852

RRP in D **10,00 €**

NEW



Axle-Adapter 12/9 mm QR

19 g

black anodized	75230
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RRP in D **16,00 €**



for Folding Bikes

There are SONXS hubs for folding bikes with 74 mm fork width. For Brompton axle diameter is 8 mm, for brands such as Tern and Dahon axle ends are 9 mm. Other types of axles are available on request.

Since 2013 SONXS have smaller housings for straight pull spokes. Spoke pattern is radial, on semi radial hubs spokes will bend slightly during wheel build.

Three standard finishes are available (polished, silver anodized, black anodized) as well as various à la carte finishes.



SONXS for Brompton

semi radial | 350 g | axle end Ø 8 mm

polished	20 slots	342072
	28 slots	342872
silver anodized	20 slots	342092
	28 slots	342892
black anodized	20 slots	342062
	28 slots	342862

RRP in D **199,00 €**

à la carte	28 slots	342882
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RRP in D **239,00 €**

SONXS for Tern, Dahon (not shown)

semi radial | 350 g | axle end Ø 9 mm

polished	20 slots	352072
	28 slots	352872
silver anodized	20 slots	352092
	28 slots	352892
black anodized	20 slots	352062
	28 slots	352862

RRP in D **199,00 €**

à la carte	28 slots	352882
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RRP in D **239,00 €**

More types of axles and other numbers of slots available on request

Wheels for Brompton

Our new Brompton wheels with 20 spokes are lighter and even more elegant than the wheels with original Brompton rims. They come with specially bored rims from Ryde. As wheel build with semi radial hubs requires some experience we preferably offer ready-made wheels with silver and black rims.



Brompton Wheel *20 spokes*

Rim: Ryde Snyder
DB spokes, colour same as on rim
Nipples: silver
Weight: 730 g

silver	SONXS polished	43170
silver	SONXS silver anodized	43172
silver	SONXS black anodized	43171

RRP in D **249,00 €**

black	SONXS polished	43180
black	SONXS silver anodized	43182
black	SONXS black anodized	43181

RRP in D **289,00 €**

Brompton Wheel *28 spokes*

Rim: Brompton Original
DB spokes, colour same as on rim
Nipples: silver
Weight: 770 g

silver	SONXS polished	43140
silver	SONXS silver anodized	43110
silver	SONXS black anodized	43141

RRP in D **249,00 €**

silver	SONXS à la carte	43113
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RRP in D **289,00 €**

black	SONXS polished	43150
black	SONXS silver anodized	43152
black	SONXS black anodized	43151

RRP in D **289,00 €**

black	SONXS à la carte	43116
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RRP in D **309,00 €**

SON Headlights Edelux II

Edelux II has quite a bright LED and distributes light perfectly well on the road surface using the Busch & Müller Premium mirror.

The light beam is very wide, focusses well in the distance and distributes evenly in the area near to the bicycle. This kind of light distribution is ideal on dark roads as well as in road traffic (German mark of conformity StVZO).

The perfect cooling of the LED and the non-reflecting lens increase brightness up to 100 lux. The Edelux II has a very bright capacitor standlight and an automatic switch-on (sensor).

A special feature on the Edelux II is its extraordinary robust construction. Its housing is turned and milled of aluminium. The magnetic switching ring is easy to use, the coaxial cable is elegant and extremely robust.

Weight: 85 g



for Hub Dynamos

Delivery includes: Edelux bracket (75520), white reflex reflector (75760)

Cable length 140 cm: connections separate

Cable length 60 cm: for fork mount, connections fitted

Cable length 36 cm: for Brompton, connections fitted, headlight bracket Brompton original (75509)



Edelux II

polished	140 cm	681406
	60 cm	680605
	36 cm	680305
silver anodized	140 cm	681496
	60 cm	680695
	36 cm	680395
black anodized	140 cm	681416
	60 cm	680615
	36 cm	680315

RRP in D **139,00 €**



red anodized	140 cm	681426
	60 cm	680625
	36 cm	680325
blue anodized	140 cm	681446
	60 cm	680645
	36 cm	680345
orange anodized	140 cm	681466
	36 cm	680365
dark green anodized	140 cm	681456
	36 cm	680355
gold anodized	140 cm	681436
	36 cm	680335
pink anodized	140 cm	681486
	36 cm	680385
light green anodized	140 cm	681476

RRP in D **149,00 €**



Edelix II with Coaxial Adapter

NEW

With SON coaxial connector fitted.
SON Coaxial Adapter included.

polished	100 cm	681009
	60 cm	680609
silver anodized	100 cm	681099
	60 cm	680699
black anodized	100 cm	681019
	60 cm	680619

RRP in D **159,00 €**



Edelix II upside down

Switched. For use on hub dynamo.
Rear light connection on threaded bushing.

polished	140 cm	680000
black anodized	140 cm	680010

RRP in D **159,00 €**

w/o switch.

For use on hub dynamo with separate switch.

polished	w/o cable	680001
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RRP in D **149,00 €**

for Pedelecs

Delivery includes: Edelux bracket (75520), white reflex reflector (75760)

For Edelux II DC selection see www.nabendynamo.de
– Products – Headlights – for Pedelecs



Edelux II DC for 6 Volts

For 6 Volts DC. For connection to systems with switched 6 Volts output (Bosch, Shimano Steps ect.) with their special cable.

w/o switch, w/o rear light output, w/o cable

polished	w/o cable	680002
silver anodized	w/o cable	680092
black anodized	w/o cable	680012

RRP in D **139,00 €**



For 6 Volts DC. For connection to systems with switched 6-Volts output with SON coaxial cable.

w/o switch, w/o rear light output, 140 cm cable

polished	140 cm	681402
silver anodized	140 cm	681492
black anodized	140 cm	681412

RRP in D **139,00 €**



Edelux II DC for 6 to 75 Volts

For 6 to 75 Volts DC. With coaxial connection cable, switch and 6 Volts output for rear light.

140 cm cable

polished	140 cm	681403
silver anodized	140 cm	681493
black anodized	140 cm	681413

RRP in D **149,00 €**

Accessories for Headlights and Rear Lights



White Reflex Reflector

for Edelux and Edelux II

75760

RRP in D **6,00 €**



Reflector

Busch & Müller 313 / 3Z

69190

RRP in D **4,90 €**



Switching Ring

for Edelux and Edelux II

75611

RRP in D **2,00 €**



Adapter

for rack mount
for reflector 313 / 3Z

flat	69191
stepped	69192

RRP in D **3,90 €**

SON Rear Lights

SON Rear Light (www K920) is of minimal dimensions. This way it fits where common rear lights with integrated reflectors are too big.

Its housing is made of anodized aluminium. Lens and electronics are potted. The coaxial cable for headlight connection is firmly fixed inside the housing. Standlight capacitor integrated.



SON Rear Light

rack mount

50 mm screw spacing
20 g (w/o cable)



black / clear	69152	red / clear	69132
black / red	69162	blue / clear	69142
silver / clear	69172	orange / clear	69102
silver / red	69182	light green / clear	69112

RRP in D **49,00 €**

RRP in D **59,00 €**



seat post mount

Ø 26 up to 31.8 mm
35 g (w/o cable)



black / clear	69252	red / clear	69232
black / red	69262	blue / clear	69242
silver / clear	69272	orange / clear	69202
silver / red	69282	light green / clear	69212

RRP in D **65,00 €**

RRP in D **75,00 €**

mudguard mount

high mounting position (25 degree)
40 g (w/o cable)



polished / red	narrow profile	69316
polished / red	wide profile	69326
black / clear	narrow profile	69335
black / clear	wide profile	69345
black / red	narrow profile	69355
black / red	wide profile	69365

RRP in D **75,00 €**

SON Headlight Brackets



Schmidt delux Bracket

Aluminium milled,
for handlebars up to 31.8 mm
polished 75531
black anodized 75532

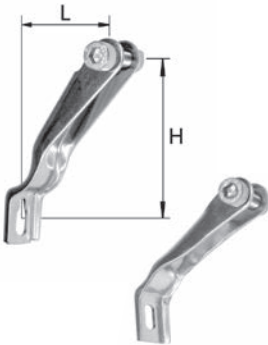
RRP in D **23,50 €**



Schmidt delux Bracket long

Aluminium milled,
for handlebars up to 31.8 mm
polished 75533
black anodized 75534

RRP in D **23,50 €**



Bracket stainless

39 x 62 mm (L x H) 75500
short, 47 x 40 mm 75507

RRP in D **2,40 €**



Bracket stainless Canti

56 x 46 mm 75501

RRP in D **2,50 €**



Bracket Brompton

stainless, 53 x 18 mm 75504

RRP in D **3,00 €**



Bracket Brompton Original

stainless, 59 x 7 mm 75509

RRP in D **6,00 €**



Bracket for Edelux

36 x 50 mm
stainless 75520
black 75521

RRP in D **3,50 €**



Bracket for Edelux long

58 x 49 mm
stainless 75522
black 75523

RRP in D **4,00 €**



Bracket handlebar mount

synthetic,
for handlebars up to Ø 26 mm,
riese und müller

black 75505

RRP in D **11,90 €**



Bracket for suspension fork

Aluminium, star nut 1 1/8",
riese und müller

black 75508

RRP in D **11,90 €**



Bracket milled

Aluminium 6061 T6, black, incl.
bolts, 33 x 37 mm, mass contact
with ring terminal not possible

black anodized 75530

RRP in D **21,00 €**

SON Wiring

SON Coaxial Cable is PVC-free and specially made for our headlights. It is extremely tear-resistant and highly elastic. Additional cable conduit is unnecessary.

Wiring with coaxial cable is easy if you have practised it a bit. For your support we offer cables sold by the meter as well as prefabricated cables ready for connection.



Coaxial Cable

2 x 0.5 mm² outer Ø 3 mm, black



for Rear Light

190 cm cable

SON connections fitted	72090
connections for rear light separate	72091

RRP in D **8,50 €**

Roll

100 m	72011
10 m	72010
5 m	72005

RRP in D **1,60 € / m**

Crimp Connectors

brass tin-plated, uninsulated



Spade female 2.8 x 0.5 mm

Pack of 100 pcs	72121
Pack of 500 pcs	72125

Spade male 2.8 x 0.5 mm

Pack of 50 pcs	72135
Pack of 100 pcs	72131

Spade female 4.8 x 0.8 mm

Pack of 100 pcs	72141
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Piggy-back spade 4.8 x 0.8 mm

Pack of 20 pcs	72142
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Spade male 4.8 x 0.8 mm

Pack of 20 pcs	72152
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Ring terminal 3 mm

Pack of 50 pcs	72235
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Ring terminal 5 mm

Pack of 50 pcs	72255
Pack of 100 pcs	72251

Ring terminal 6 mm

Pack of 50 pcs	72265
Pack of 100 pcs	72261

Terminal adapter 2.8 x 0.5 mm

for M6, stainless

Pack of 20 pcs	72272
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Heat shrink tubing

Heat shrink tubing 3:1 polyolefine black



3.2 x 24 mm	Pack of 100 pcs	72331
3.2 x 32 mm	Pack of 100 pcs	72334
3.2 x 500 mm	Pack of 10 pcs	72332
4.8 x 24 mm	Pack of 100 pcs	72341
4.8 x 500 mm	Pack of 10 pcs	72342

Connections

for 10 SON hub dynamos	72801
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Box with Connections

spade connectors, heat shrink tubing and ring terminals

72800

RRP in D **43,00 €**

Cable Ties

2.5 x 200 mm	Pack of 100 pcs	72425
3.5 x 200 mm	Pack of 100 pcs	72436

for SON XS-M



Male connector SON XS-M	72100
Female connector SON XS-M	72101

RRP in D **6,00 €**



Cable splitter for SON XS-M	72616
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RRP in D **24,00 €**

Tools



Crimping Tool

for spade connectors
and ring terminals

72900



Crimping Tool

for spade connectors
and ring terminals,
Knipex No. 97 52 14

72904



Automatic Wire Stripper

special for coaxial cable,
Knipex No. 12 21 180

72903



Side Cutters Super-Knips

125 mm,
Knipex No. 78 61 125

72905



SON Coaxial Connectors

NEW

We designed robust 2-pole coaxial connectors of minimal dimensions. They are cable splitters for our coaxial cable, but may be used for twin cables just as well. Soldering and heat shrink tubing is required (see www.nabendynamo.de). Small outer diameter (6.6mm), length ca. 25/30 mm.

You may use coaxial connectors male and female for various applications, for instance on separable bicycles or for dismountable components.

With a SON Coaxial Adapter that suits with most current types of hub dynamos plugging and unplugging headlight cables is comfortable and easy now.

For connection of charging devices SON Coaxial Junction Box is available.



Male Connector

72600

RRP in D 6,00 €



Female Connector

72601

RRP in D 6,00 €



Connector Set – male and female connectors

72602

RRP in D 12,00 €



Box with Assortment of Coaxial Connectors

72650

RRP in D 190,00 €



Short Cable with connectors fitted

72610

RRP in D 15,00 €



Cable Splitter with Coaxial Connector

72615

RRP in D 18,00 €



Soldering Device

72906

RRP in D 39,00 €

NEW



Coaxial Adapter

incl. male connector

72630

RRP in D 20,00 €



NEW

Coaxial Junction Box with coaxial connector Male

80 cm cable

72631

RRP in D 20,00 €

80 cm cable ready-made with coaxial connector and

Coaxial Adapter

72635

RRP in D 40,00 €

SON Hub Dynamo Connections

There are up to 3 options to connect headlights to a SON hub dynamo depending on the dynamo type:



Spade Connectors

4.8 mm spade crimp connectors conform to the common technique for connections on high-end bike lighting systems. 4.8 mm connectors are more solid and easier to use compared to standard 2.8 mm connectors. They will make the best contact when well-crimped and a little grease is added. They are proven in rough everyday use since SON began.



SON Coaxial Connectors

We developed a 2-pole coaxial connection for users who need to take out their front wheel frequently. The SON Coaxial Adapter is compatible with most current SON types. It has a socket for a SON Coaxial Connector with which you can insert and unplug easily. You can almost do it without looking at it. According to available space you may lead the cable in front of the fork blade or behind it.



SON Self-Connecting System

The most convenient and elegant connector is no connector at all! With the SON SL Self-Connecting System, the contact areas are integrated in the hub and fork dropouts so that the electric circuit will be made as soon as you install the wheel. The most demanding bicycle manufacturers gladly use this system in series and this way, offer the aesthetically and technically perfect solution.