



**COMPONENTS 2023 / 2024**

**MADE IN GERMANY**



# SPROCKETS & BRAKE DISCS



MADE IN GERMANY

**WHO WE ARE** Esjot Antriebstechnik GmbH is a company which is specified for over 80 years on chain wheels as well as pressed elements and turning parts.

As system supplier we deliver for many producer and wholesaler front sprockets, chain wheels and brake discs. We can also offer special parts to you on inquiry with pleasure.

Modern variants for production, individuality, know-how and flexibility are our strengthen.

We produce our products with **100% green energy!** Sustainability is a key issue for us. With our own wind and solar systems, we generate 15x more electricity than we need for our plants.



# SPROCKETS & BRAKE DISCS



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**DIAMOND CUT** revolutionized the chain wheel technology and is used in the industry according to the wishes of our customer. In cooperation with the University of Paderborn Germany, Esjot Antriebstechnik GmbH has developed a new process to cut the teeth of chain driven sprockets.

„DIAMOND CUT“ is an innovative manufacturing process resulting in a visibly higher sprocket quality than was ever possible on standard milled sprockets.

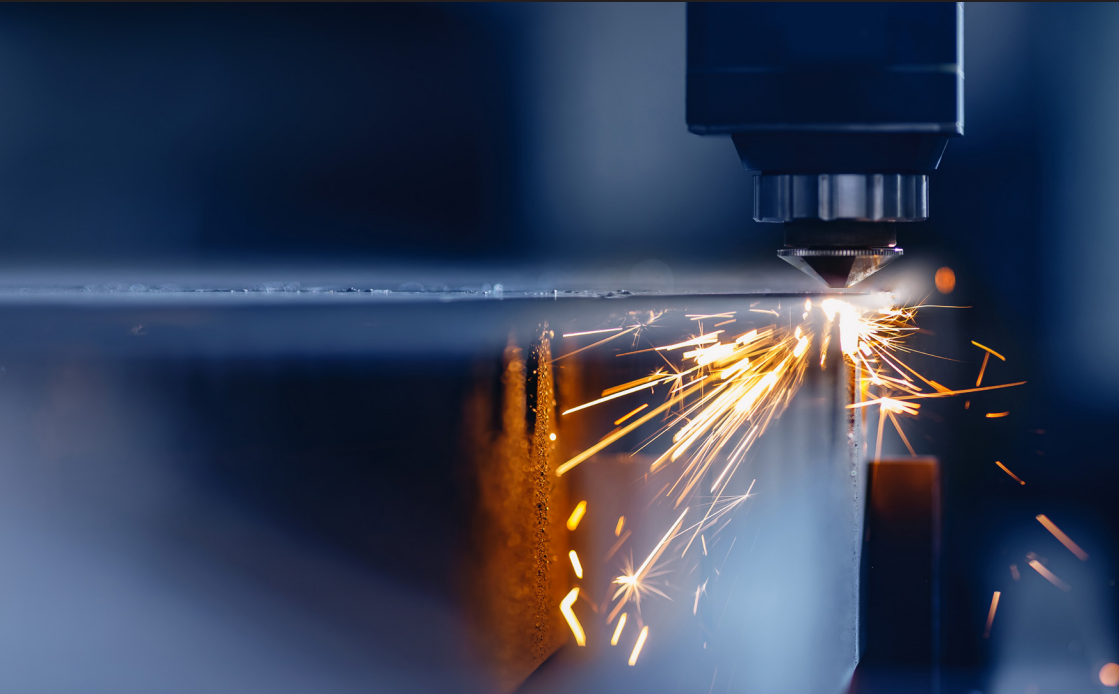


**ESJOT goes Bicycle** As a specialist in the area of chain wheels and front sprockets we work together with many famous national and international producers and wholesalers.

We are represented in the normal bicycle market as well as in the area of e-bikes. Our range comprise from stuck sprocket and thread sprockets over nuvinci and bosch up to special parts for many bicycle factories.

# TECHNOLOGY & INNOVATION

MADE IN GERMANY



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## PRODUCT REVIEW

### Bicycle sprockets



#### Description

Bicycle sprocket

Pitch 1/2" x 1/8"

galvanized (material thickness 3mm)

suitably for wide hubgear, back pedal hub / rigid hub,

Cargo Bikes, Single Speed, BMX, SRAM, Shimano, Sturmey Archer,



ID	No. of teeth	Execution
19-1100-xx	12 to 16	flat



ID	No. of teeth	Execution
19-1100-xx	17 to 28, 30,32	3mm offset, 6mm total height



ID	No. of teeth	Execution
19-1110-xx	12 to 28, 30, 32	with BSA thread

## PRODUCT REVIEW

### Bicycle sprockets



#### Description

Bicycle sprocket

Pitch 1/2" x 3/32"

galvanized (material thickness 2mm)

suitably for 3-, 4-, 5-, 7-, 8- and 11 gear hubgear, back pedal hub / rigid hub,

SRAM, Shimano, Sturmey Archer



ID	No. of teeth	Execution
19-1700-xx	12 to 16	flat



ID	No. of teeth	Execution
19-1700-xx	17 to 28	3mm offset, 5mm total height



ID	No. of teeth	Execution
19-1700-xxP	14 to 16	flat, black
19-1700-xxP	19	offset black



# PRODUCT REVIEW

## Bicycle sprockets



### Description

Bicycle sprocket

Pitch 1/2" x 3/32"

galvanized (material thickness 2mm)

suitably for 3-, 4-, 5-, 7-, 8- and 11 gear hubgear, back pedal hub / rigid hub,

SRAM, Shimano, Sturmey Archer

Art.Nr. 19-1701-17 up to 19-1701-23 for Hebie Chainglider



ID	No. of teeth	Execution
19-1701-xx	17 to 23	flat



ID	No. of teeth	Execution
19-1710-xx	12 bis 28	with thread

# PRODUCT REVIEW

## Bicycle sprockets



### Description

Chainring

Pitch 1/2" x 3/32" and 1/2" x 11/128"

up to 12 speed or smal hubgear

anodised aluminium (material thickness 3,0mm)

hole circle 104mm



ID	No. of teeth	Execution
19-17200-xx	38	anodised silver
19-17200-xxBP	36, 38, 40, 42, 44	anodised black



# PRODUCT REVIEW

## Bicycle sprockets



### Description

Enviolo/Nuvinci hubs sprocket  
Pitch 1/2" x 3/32"  
zinc blue (material thickness 2,3mm / +0, -0,25mm)  
broached inside tooth system



ID	No. of teeth	Execution
19-1702-xx	14 to 23	flat

### Description

Enviolo/Nuvinci hubs sprocket  
Pitch 1/2" x 3/32"  
zinc nickel (material thickness 2mm)  
broached inside tooth system  
version: offset



ID	No. of teeth	Execution
19-1714-xx	20	2,2mm offset, 5mm total height

# PRODUCT REVIEW

## Bicycle sprockets



### Description

Bicycle sprocket  
Pitch 1/2" x 3/16"  
galvanized (material thickness 4mm)  
Suitably for 3-, 4-, 5-, 7-, 8- and 11 gear hubgear, back pedal hub / rigid hub,  
SRAM, Shimano, Sturmey Archer, for oldtimer- / army- / transport bicycle



ID	No. of teeth	Execution
19-1210-xx	14 to 24, 26	with thread



ID	No. of teeth	Execution
19-1200-xx	14 to 16	flat



ID	No. of teeth	Execution
19-1200-xx	17 to 24	3mm offset, 6mm total height

# PRODUCT REVIEW

## E-Bike sprockets CrMo



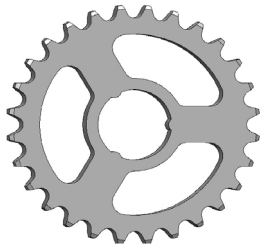
### Description

Bicycle and E-Bike sprocket

Pitch 1/2" x 1/8"

**CrMo steel galvanized (material thickness 3mm)**

extra durable due to special material



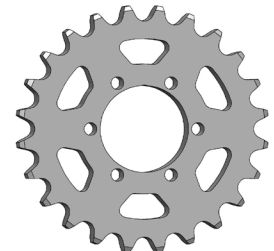
- » Suitably for wide up to 11 gear hubgear
- » back pedal hub / rigid hub
- » SRAM, Shimano, Sturmey-Archer,

ID	No. of teeth	Execution
19-1130-xx	16 to 28	flat



- » Suitably for Enviolo / Nuvinci

ID	No. of teeth	Execution
19-1131-xx	22, 24, 26, 32	flat



- » Suitably for 6-hole brake discs

ID	No. of teeth	Execution
19-1133-xx	18, 24	flat

# PRODUCT REVIEW

## Free-wheels



### Description

Pitch 1/2" x 1/8"; Version: 4 hooks,

BSA thread, BSC (english thread, British Standard Cycle)

ISO 1,37" x 24 FG 34,8 , DIN 79012 FG 34,8



ID	No. of teeth	Execution
25-5000-xx	16 to 20, 22L	engl. thread
25-5001-xx	18, 20, 23	franz. thread

## PRODUCT REVIEW

### E-Bike sprockets - Panasonic



#### Description

Bicycle sprocket for Panasonic motors (Premium u. Deluxe)  
Pitch 1/2" x 3/32" (material thickness 2,2mm)  
Internal gearing with 13 wedges



ID	No. of teeth	Execution
19-16100-xx	9 to 11	flat

#### Description

Bicycle sprocket for Panasonic motors (Premium u. Deluxe)  
Pitch 1/2" x 3/32" (material thickness 1,9mm)  
Internal gearing with 13 wedges



ID	No. of teeth	Execution
19-16101-xx	9 to 14	flat

## PRODUCT REVIEW

### E-Bike sprockets - Panasonic



#### Description

Sprocket for Panasonic motor (Premium u. Deluxe)  
Pitch 1/2" x 3/32"  
nitrided (material thickness 2,0mm)  
inside tooth system, 28 Teeth, KTL - coating



ID	No. of teeth	Execution
19-17103-xx	35, 41	direct mount

#### Description

Sprocket for Panasonic motor (Premium u. Deluxe)  
Pitch 1/2" x 1/8"  
nitrided (material thickness 3,0mm)  
inside tooth system, 28 Teeth, KTL - coating



ID	No. of teeth	Execution
19-11100-xx	35, 41	direct mount



# PRODUCT REVIEW

## E-Bike sprockets - Panasonic



### Description

Chaining for Panasonic motors, next generation (Next Gen. 36 Volt)  
Pitch 1/2" x 3/32", for 4-hole Spider  
steel galvanized (material thickness 2,0mm)



ID	No. of teeth	Execution
19-17113-41	41	offset

### Description

Chaining for Panasonic motors (Generation X0 )  
Pitch 1/2" x 3/32"  
steel black KTL-coated (material thickness 2,0mm)



ID	No. of teeth	Execution
19-17122-xx	38, 44	direct mount



## ESJOT NARROW-WIDE SPROCKETS

The **innovative Narrow-Wide toothing** holds the chain in position and thus prevents bouncing even under great loads. The use of **25% more material in the tooth area** increases the running performance and reduces chainring wear.

The ESJOT Narrow-Wide chainrings have a higher strength, because this is made of **3 mm high quality steel**, which is especially important for the use with the increasingly powerful e-bike motors.

In order to keep the chain securely in position even without a chain guide, the teeth have a **special profile of alternating narrow and wide teeth**.

So that this is also possible under very sporty conditions, the **teeth are manufactured longer, to optimize the alignment of the chains**. The special tooth contour supports the chain in sliding during of the switching operation.

- » Up to 12 speed
- » Chain pitches: 1/2" x 11/128"
- » Prevents the chain from coming off
- » Extra stable
- » Less wear
- » Better chain sliding



## PRODUCT REVIEW

### E-Bike sprockets - Bosch



#### Description

For Bosch motors, generation 2 (Active Line, Performance Line)  
Pitch 1/2" x 1/8"  
steel black KTL-coated (material thickness 3,0mm)



ID	No. of teeth	Execution
19-11105-xx	15 to 26	flat

#### Description

Pinion for Bosch motors, generation 2 (Active Line, Performance Line)  
Pitch 1/2" x 3/32" and 1/2" x 11/128"  
steel black KTL-coated (material thickness 1,8mm)



ID	No. of teeth	Execution
19-17105-xx	13 to 26	flat

## PRODUCT REVIEW

### E-Bike sprockets - Bosch



#### Description

Offset for Bosch motors, generation 2 (Active Line, Performance Line)  
Pitch 1/2" x 3/32" and 1/2" x 11/128"  
steel black KTL-coated (material thickness 1,8mm)  
It's possible to use two sprockets together  
Prevents the grinding of the chain on the housing



ID	No. of teeth	Execution
19-17121-xx	15, 18, 20, 22	offset 2,5mm

#### Description

For Bosch motors, generation 3 (Active Line Plus), Direct Mount  
Pitch 1/2" x 3/32" and 1/2" x 11/128"  
steel black KTL-coated (material thickness 2,0mm)  
up to 12 speed or small hubgear  
Chainline 47,5mm and 50,5mm  
Spacer included



ID	No. of teeth	Execution
19-17120-xx	38, 40, 42, 44	steel 2mm/ standard- toothing
19-17120-xxNW	38, 44	steel 3mm/ Narrow-Wide- toothing

# PRODUCT REVIEW

## E-Bike sprockets - Bosch



### Description

For Bosch motors, generation 3 ( Active Line Plus ), Direct Mount  
 Pitch 1/2" x 1/8" steel black KTL-coated (material thickness 3,0mm)  
 wide hubgear  
 Chainline 47,5mm and 50,5mm  
 Spacer included



ID	No. of teeth	Execution
19-11120-xx	38, 40, 42, 44	direct mount

### Description

For Bosch motors, generation 3 ( Active Line Plus ), Direct Mount  
 Pitch 1/2" x 11/128", up to 12 speed  
 steel black KTL-coated (material thickness 3,0mm)  
 Chainline 53,00mm, Boost  
 Spacer included



ID	No. of teeth	Execution
19-17119-38NW	38	Narrow-Wide-toothing

# PRODUCT REVIEW

## E-Bike sprockets - Bosch



### Description

For Bosch motors, generation 4 ( Performance Line CX ), Direct Mount  
 Pitch 1/2" x 3/32" and 1/2" x 11/128"  
 steel black KTL-coated (material thickness 3,0mm)  
 up to 12 speed or smal hubgear  
 Chainline 47,5mm  
 Spacer included



ID	No. of teeth	Execution
19-17123-xx	34, 36, 38, 40, 42, 44	standard- toothing
19-17123-xxNW	34, 38, 42	Narrow-Wide-toothing

### Description

For Bosch motors, generation 4 ( Performance Line CX ), Direct Mount  
 Pitch 1/2" x 3/32" and 1/2" x 11/128"  
 steel black KTL-coated (material thickness 3,0mm)  
 up to 12 speed or smal hubgear  
 Chainline 50,5mm  
 Spacer included



ID	No. of teeth	Execution
19-17124-42	42	standard- toothing suitable for ESJOT Chainguard
19-17124-xxNW	34, 38, 42	Narrow-Wide-toothing

# PRODUCT REVIEW

## E-Bike sprockets - Bosch



### Description

For Bosch motors, generation 4 ( Performance Line CX ), Direct Mount  
 Pitch 1/2" x 11/128"  
 steel black KTL-coated (material thickness 3,0mm)  
 up to 12 speed or smal hubgear  
 Chainline 53,00mm, Boost  
 Spacer included



ID	No. of teeth	Execution
19-17125-xxNW	34, 38, 42	Narrow-Wide-toothing



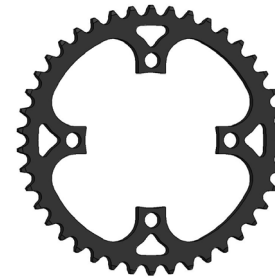
# PRODUCT REVIEW

## E-Bike sprockets - universally



### Description

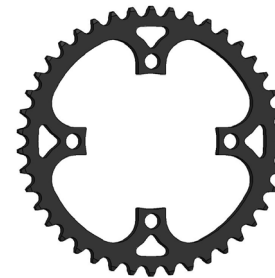
Chaining universally for Bosch motors, generation 4 ( Performance Line CX ),  
 3 (Active Line Plus) and 1 (Classic Line ), as well as Yamaha, Bafang and Brose  
 Pitch 1/2" x 3/32" and 1/2" x 11/128"  
 steel black KTL-coated, hole circle 104mm  
 up to 12 speed or smal hubgear



ID	No. of teeth	Execution
19-17116-xx	32, 34, 36, 38, 40, 42, 44	steel 2mm/standard-toothing
19-17116-xxNW	32, 34, 36, 38, 40, 42, 44	steel 3mm/Narrow-Wide-toothing

### Description

Chaining universally for Bosch motors, generation 4 ( Performance Line CX ),  
 3 (Active Line Plus) and 1 (Classic Line ), as well as Yamaha, Bafang and Brose  
 Pitch 1/2" x 1/8", wide hubgear  
 steel black KTL-coated (material thickness 3,0mm), hole circle 104mm



ID	No. of teeth	Execution
19-11105-xx	38, 40, 42, 44	flat

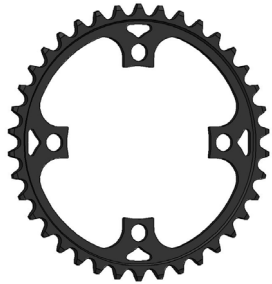
## PRODUCT REVIEW

### E-Bike sprockets - universally



#### Description

Chainring universally for Bosch motors, generation 4 ( Performance Line CX ), 3 (Active Line Plus) and 1 (Classic Line ), as well as Yamaha, Bafang and Brose Pitch 1/2" x 3/32" and 1/2" x 11/128" anodised aluminium (material thickness 3,0mm), hole circle 104mm up to 12 speed or smal hubgear



ID	No. of teeth	Execution
19-17200-xx	38	anodised silver
19-17200-xxBP	36, 38, 40, 42, 44	anodised black

## PRODUCT REVIEW

### E-Bike sprockets - Shimano



#### Description

Chainring for Shimano Nexus Inter 5E e-bike hub Pitch 1/2" x 3/32" steel black (material thickness 2,0mm)



ID	No. of teeth	Execution
19-1720-xx	24, 26, 27, 30	offset

#### Description

Chainring for Shimano Steps motors E6000 (E6002 u. E6012) Pitch 1/2" x 3/32", up to 9 speed or smal hubgear steel black KTL-coated (material thickness 2,0mm)



ID	No. of teeth	Execution
19-17109-xx	36, 38, 44	with spacer



# PRODUCT REVIEW

## Bicycle chains



### Description

Bicycle chain: Pitch 1/2" x 1/8" , wide hubgear, Single-Speed, BMX  
10 different colors, breaking force 8.200 Nm, included connecting link

» length on request



ID	color
55-1120-xx	steel silver
55-1121-xx	gold
55-1122-xx	orange
55-1123-xx	blue
55-1124-xx	black
55-1125-xx	green
55-1126-xx	yellow
55-1127-xx	red
55-1128-xx	white
55-1129-xx	purple



# PRODUCT REVIEW

## E-Bike chains E8K and E12K

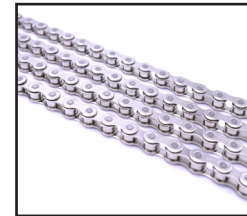


### Description E8K

This e-bike chain fits perfectly on all e-bikes with mid-motor, with **up to 8-speed chain gears and narrow hub gears.**

With a mileage of **more than 8,000 km**, it is still a lightweight.

Division: narrow 1/ 2" x 3 /32", bolt length: 6,35 mm, 2,43 g/Link,  
Anti rust coated, toolless connection with included connecting link



ID	Links	Execution
55-1700-116	116	silver

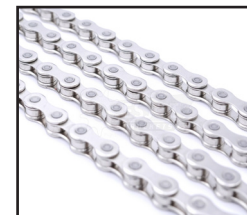
» length on request

### Description E12K

This e-bike chain is particularly effective in transferring heavy loads on **cargo bikes with medium motors and wide hub gears.**

Particularly durable and stable, **more than 12,000 km.**

Division: wide 1/ 2" x 1 /8", bolt length: 7. 85 mm, 3. 32g/Link,  
Anti rust coated, toolless connection with matching clip lock



ID	Links	Execution
55-1130-136	136	silver

» length on request

# PRODUCT REVIEW

Brake discs



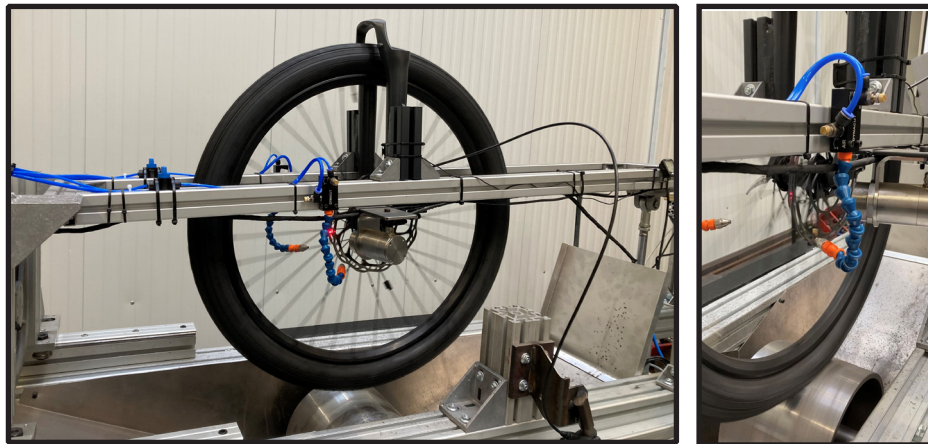
## ESJOT Bicycle and E-Bike Brake Discs

Material made of the **highest quality stainless steel** (2mm), extra hardening  
 – particularly low wear, no distortion even under heavy loads

**Without residual grade** – low wear of the brake disc and brake pads, reduced noise

**Absolutely plan** – for a constant calm braking behaviour

Compatible with all common brake pads (sintered, semi-metallic, organic, ceramic) and brake systems such as Magura, Shimano and Tektro.



ESJOT brake test unit (Plant 1, Ense-Höingen)

Our brake discs are developed in accordance with DIN 15194 and are regularly tested according to the latest requirements. In order to guarantee the safety of our products and to constantly improve quality, we test our brake discs on our own brake test unit in Ense.

Do you need brake discs in your individual design or with a special mount and would like to safeguard your braking performance?

Please feel free to contact us!

# PRODUCT REVIEW

Brake discs



## Description



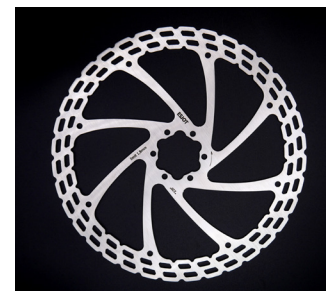
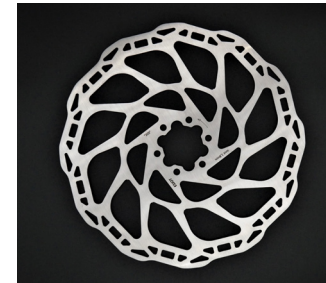
### Fitting: 4-hole brake disc

suitable for Rohloff gear hubs and Heinzmann motors  
 Material thickness 2.0 mm

Art.Nr	Durchmesser	Ausführung
85-0339	160 mm	without screws, OE-packaging

### Fitting: 6-hole brake disc

Material thickness 2,0 mm



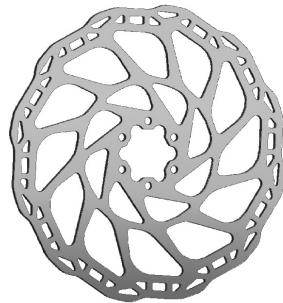
ID	diameter	Execution
85-0296	160 mm	incl. 6 screws, packaged in sales packaging
85-0284		without screws, OE-packaging
85-0295	180 mm	incl. 6 screws, packaged in sales packaging
85-0285		without screws, OE-packaging
85-0294	203 mm	incl. 6 screws, packaged in sales packaging
85-0291		without screws, OE-packaging
85-0335	210 mm	without screws, OE-packaging
85-0292	220 mm	incl. 6 screws, packaged in sales packaging
85-0219		without screws, OE-packaging

# PRODUKTBEISPIELE

Customised special parts



**ESJOT for YOU** We can also produce special sprockets for our customer. Appeal to us.



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