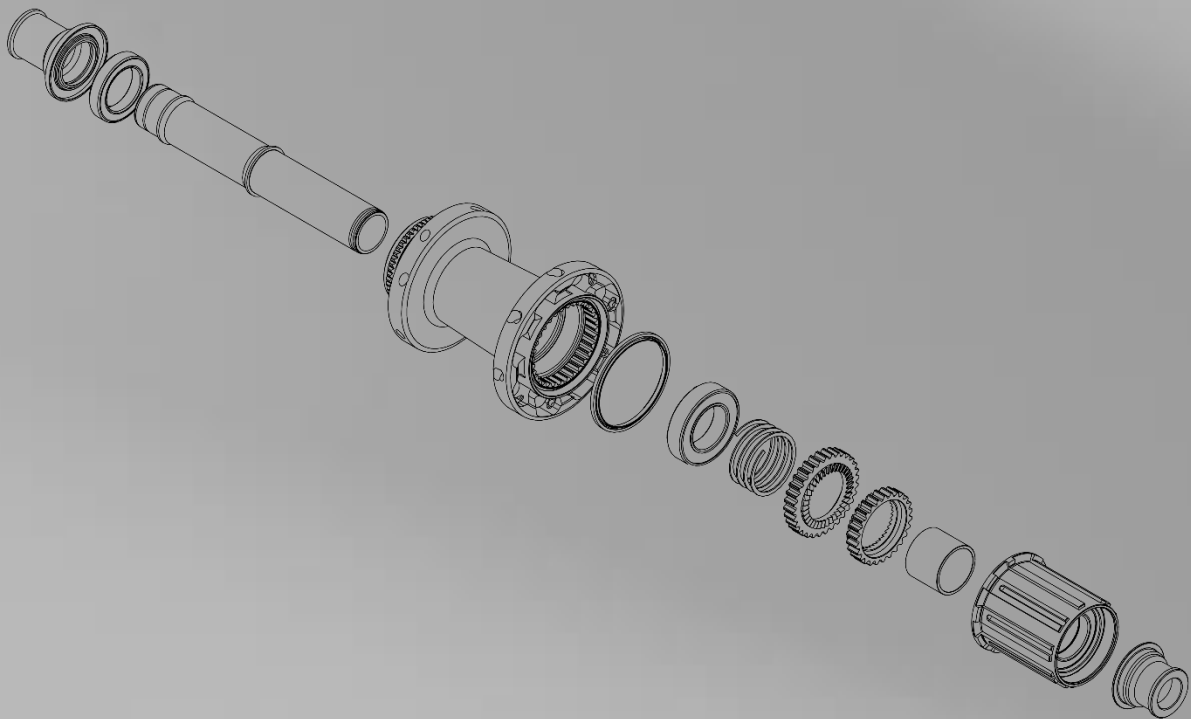


Scope Cycling

R-Series Exploded View



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1. Identify the Race Series generation

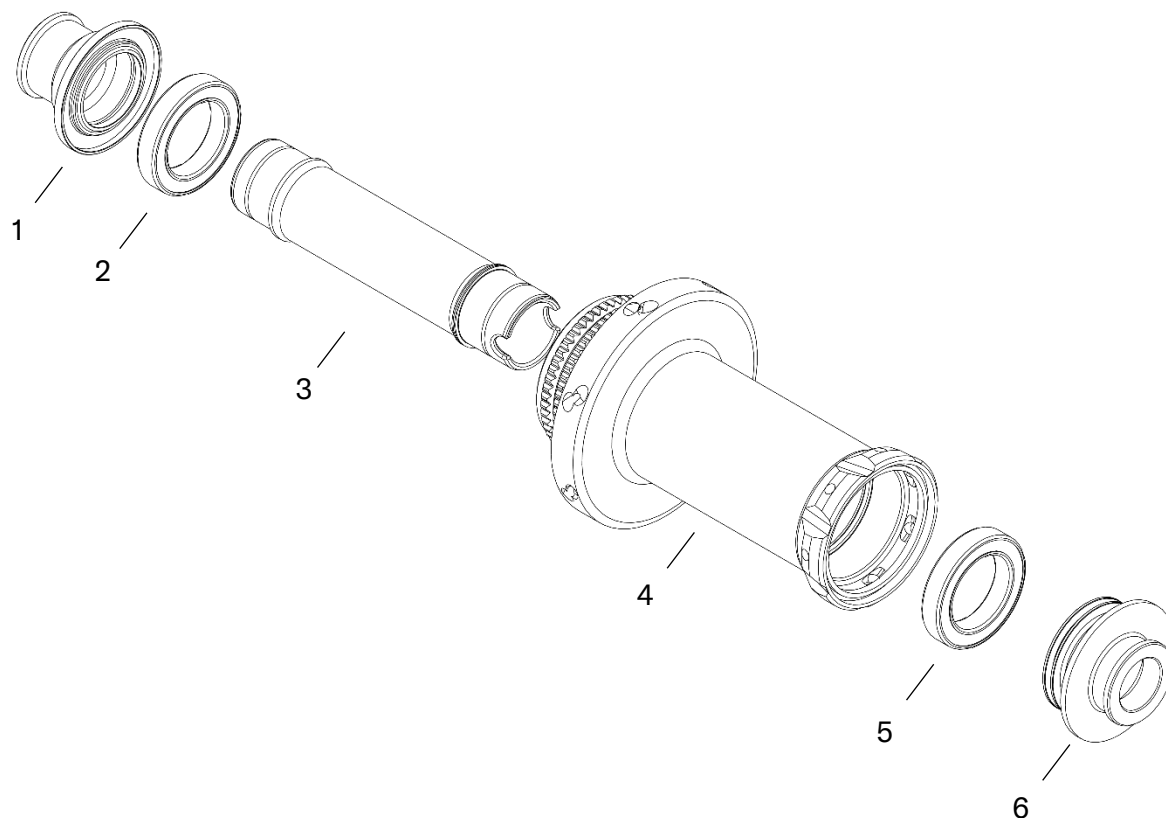
To identify the model year of your Race Series, take a look at the spoke nipples. When your wheelset is using external spoke nipples, it looks like the picture on the left. When your wheelset is using internal spoke nipples, it looks like the picture on the right.



2. Internal spoke nipples

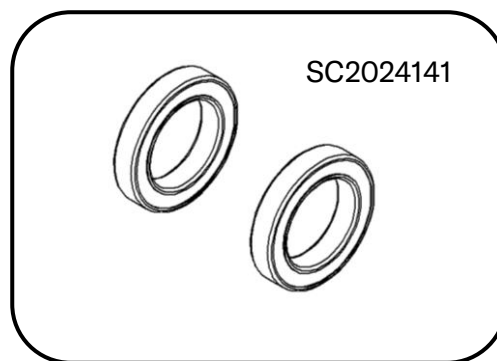
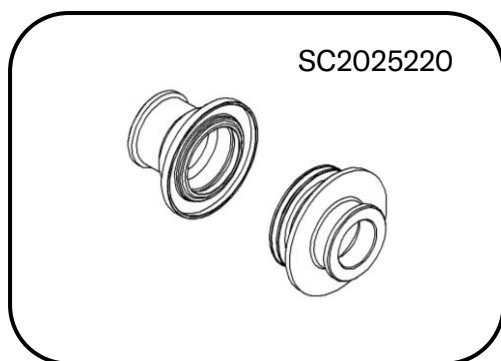
2.1. Front Disc Brake Hub 21H (12X100) - R-series SC2025200

2.1.1. Parts list



#	Part name	SC-number	Kit #
1	Front Hub End Cap NDS (12x100) - R-series	SC2025206	SC2025220
2	SKF Bearing 61803	SC2019087	SC2024141
3	Front Hub Axle (12x100) - R-series	SC2025204	
4	Front Hub Shell 21H (12x100) - R-series	SC2025203	
5	SKF Bearing 61803	SC2019087	SC2024141
6	Front Hub End Cap DS (12x100) - R-series	SC2025201	SC2025220

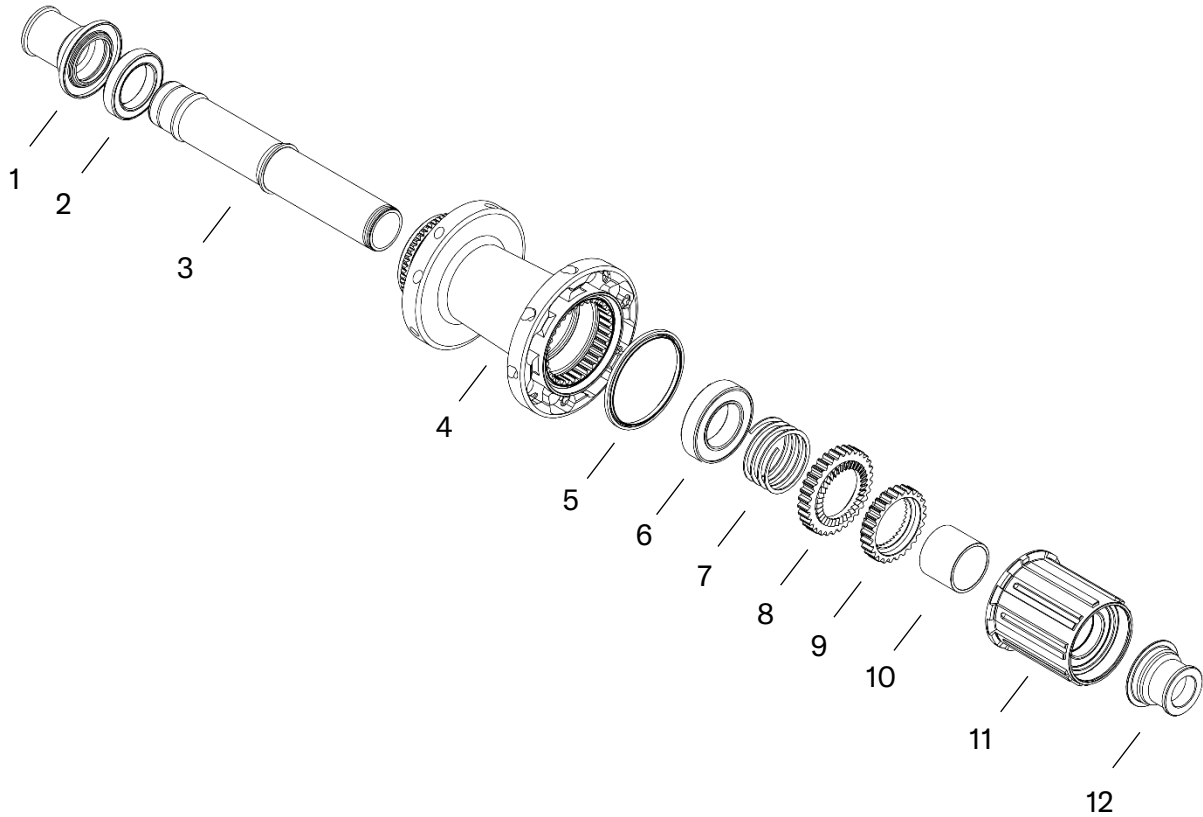
2.1.2. Spare parts kits



Kit #	Part name	Contains
SC2025220	Front Hub End Cap Kit (12x100) - R-series	SC2025201 SC2025206
SC2024141	Bearing kit - Front Hub	2X SC2019087

2.2. Rear Disc Brake Hub 24H (12x142) - R-series SC2025210

2.2.1. Parts list



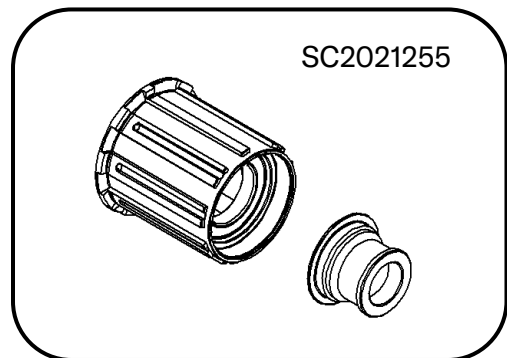
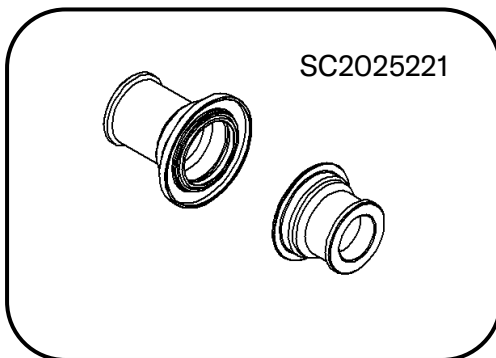
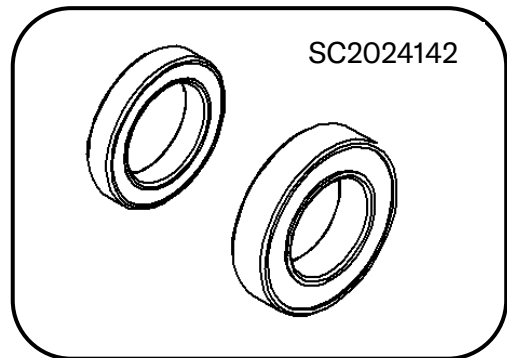
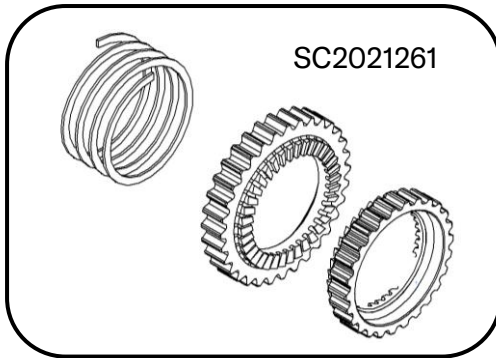
#	Part name	SC-number	Kit #
1	Rear Hub End Cap NDS (12x142) - R-series	SC2025213	SC2025221
2	SKF Bearing 61803	SC2019087	SC2024142
3	Rear Hub Axle (12x142) - R-series	SC2025219	
4	Rear Hub Shell 24H (12x142) - R-series	SC2025218	
5	V-Seal	SC2024222	
6	SKF Bearing 61903	SC2019088	SC2024142
7	Flat spring	SC2024223	SC2021261
8	Diamond ratchet 36T	SC2021261	SC2021261
9	Diamond ratchet 36T	SC2021261	SC2021261
10	Distance bush - R-series	SC2021260	
11	Shimano Free hub for Race Series*	SC2021255	SC2021255
12	Rear Hub End Cap DS (12x142) - R-series	SC2025211	SC2025221

* Multiple freehub bodies possible:

Micro Spline Freehub for Race Series		SC2021258
Campagnolo Freehub Body for Race Series		SC2021256
SRAM XD(R) Freehub for Race Series		SC2021257
N3W Freehub for Race Series		SC2021386

The right DS endcap is included when a freehub body is ordered.

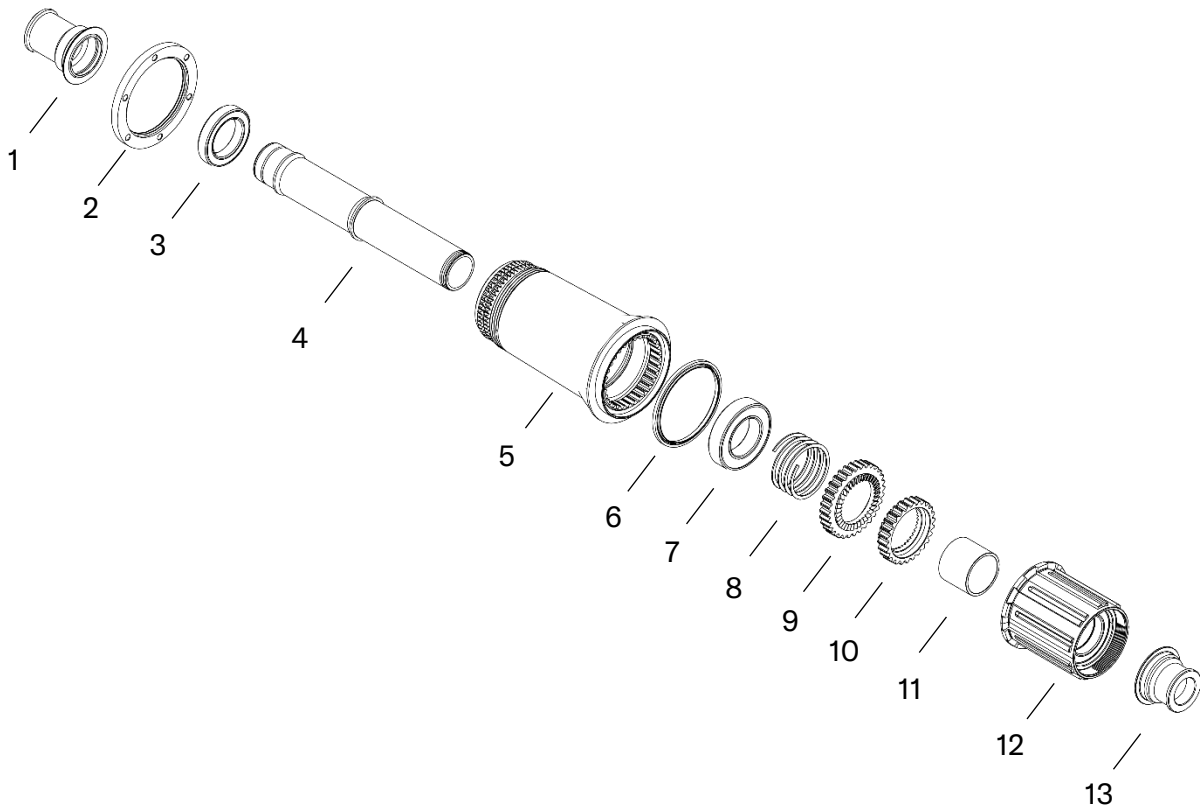
2.2.2. Spare parts kits



Kit #	Part name	Contains
SC2021261	Diamond ratchet 36T	SC2021261 SC2024223
SC2024142	Bearing kit - Rear Hub	SC2019088 SC2019087
SC2025221	Rear Hub End Cap Kit (12x142) - R-series	SC2025211 SC2025213
SC2021255	Shimano Free hub for Race Series	SC2021255 SC2025211

2.3. RTT Disc Hub SC2025207

2.3.1. Parts list



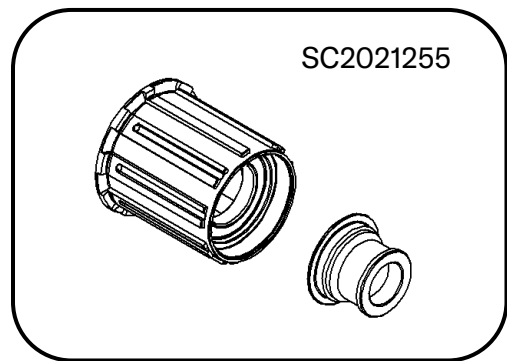
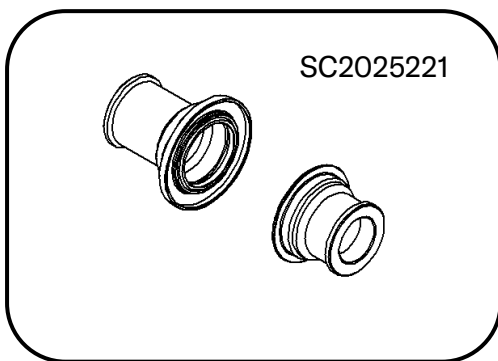
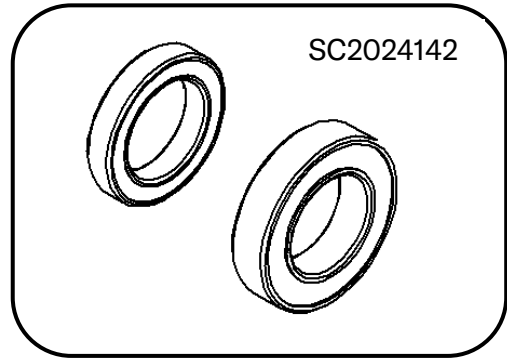
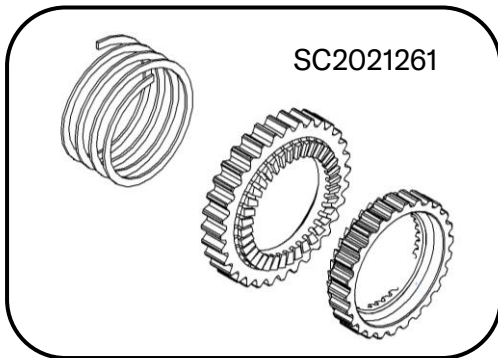
#	Part name	SC-number	Kit #
1	Rear Hub End Cap NDS (12x142)	SC2025232	
2	TT Disc lockring - A/R-series	SC2025229	
3	SKF Bearing 61802	SC2019085	SC2024142
4	Rear Hub Axle (12x142) - R-series	SC2025219	
5	TT Disc hubshell - A/R-series	SC2025228	
6	V-Seal	SC2024222	
7	SKF Bearing 61903	SC2019088	SC2024142
8	Flat spring	SC2024223	SC2021261
9	Diamond ratchet 36T	SC2021261	SC2021261
10	Diamond ratchet 36T	SC2021261	SC2021261
11	Distance bush - R-series	SC2021260	
12	Shimano Free hub for Race Series*	SC2021255	SC2021255
13	Rear Hub End Cap DS (12x142) - R-series*	SC2025211	SC2021255

* Multiple freehub bodies possible:

Micro Spline Freehub for Race Series		SC2021258
Campagnolo Freehub Body for Race Series		SC2021256
SRAM XD(R) Freehub for Race Series		SC2021257
N3W Freehub for Race Series		SC2021386

The right DS endcap is included when a freehub body is ordered.

2.3.2. Spare parts kits

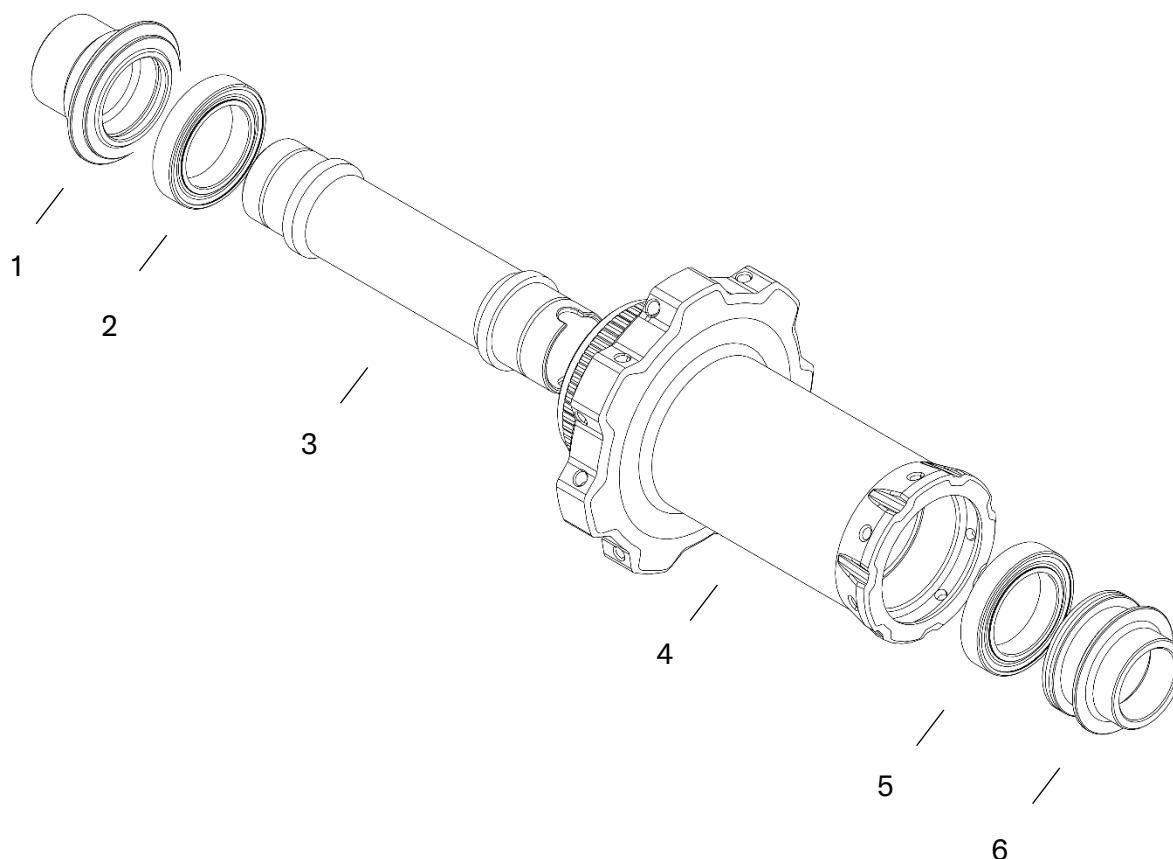


Kit #	Part name	Contains
SC2021261	Diamond ratchet 36T	SC2021261 SC2024223
SC2024142	Bearing kit - Rear Hub	SC2019088 SC2019087
SC2025221	Rear Hub End Cap Kit (12x142) - R-series	SC2025211 SC2025213
SC2021255	Shimano Free hub for Race Series	SC2021255 SC2025211

3.External spoke nipples

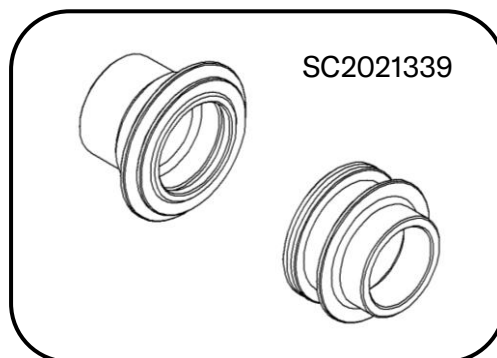
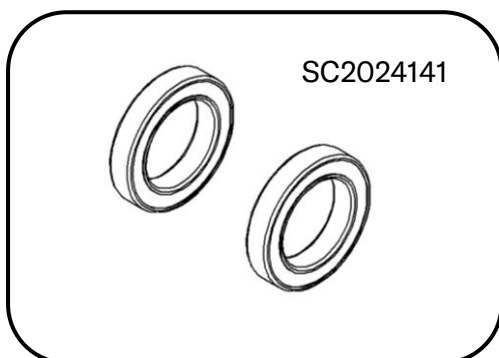
3.1. Front Disc Brake Hub 21H (12X100) - R-series SC2021221

3.1.1. Parts list



#	Part name	SC-number	Kit #
1	End-caps disc brake front hub - TA 12X100MM	SC2021339	SC2021339
2	SKF Bearing 61803	SC2019087	SC2024141
3	Axle - Front Disc Brake Hub 21H - R & R.A-series	SC2021365	
4	Front Disc Brake Hub 21H (100x12) - R-series	SC2021221	
5	SKF Bearing 61803	SC2019087	SC2024141
6	End-caps disc brake front hub - TA 12X100MM	SC2021339	SC2021339

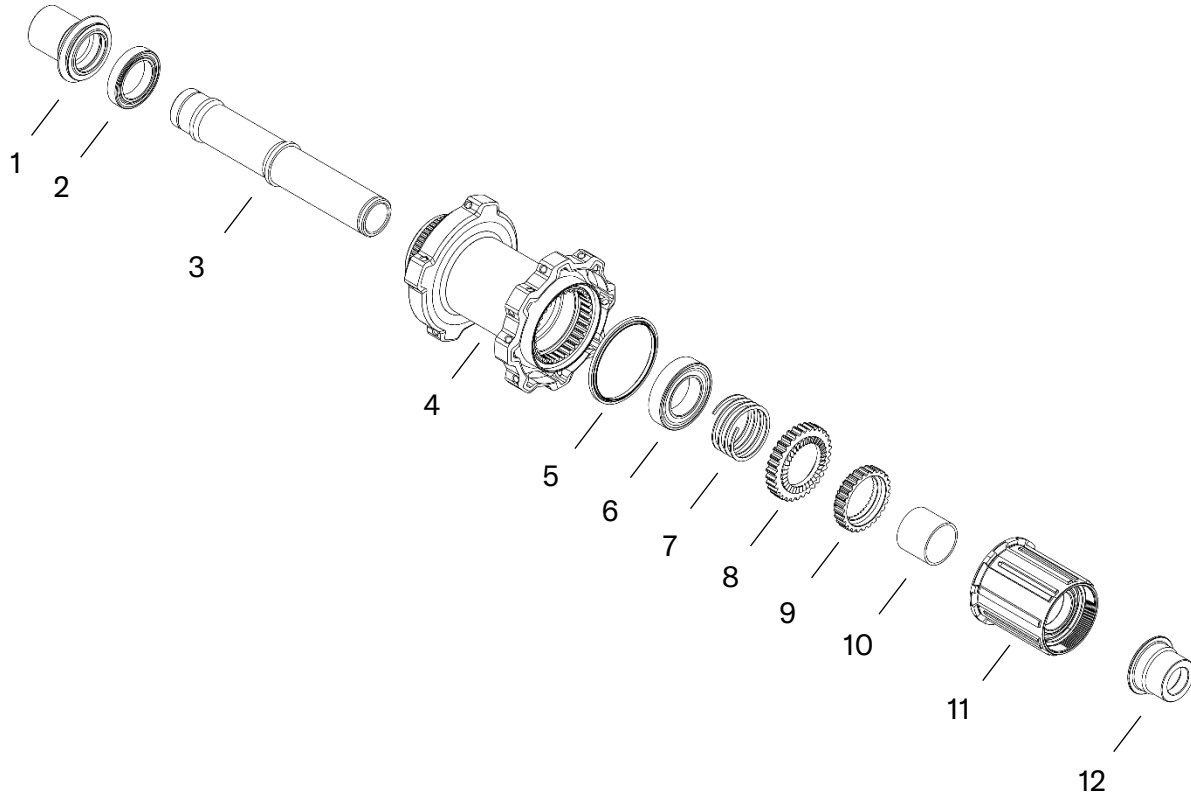
3.1.2. Spare parts kits



Kit #	Part name	Contains
SC2024141	Bearing kit - Front Hub	2X SC2019087
SC2021339	End-caps disc brake front hub - TA 12X100MM	SC2021339

3.2. Rear Disc Brake Hub 24H (142x12) - R-series SC2021222

3.2.1. Parts list



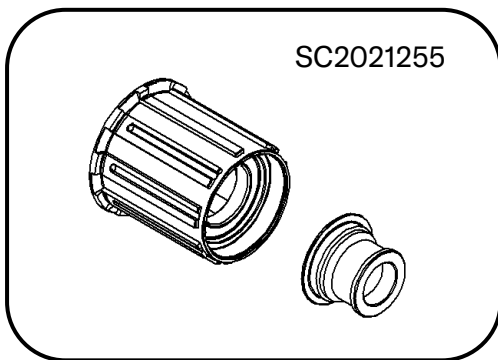
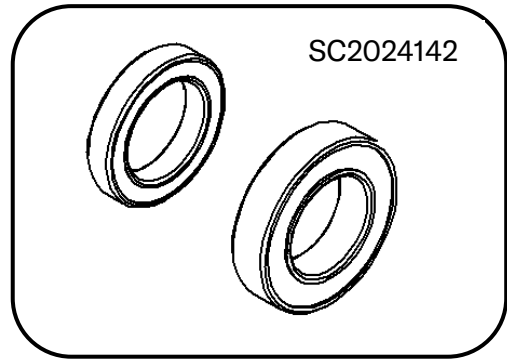
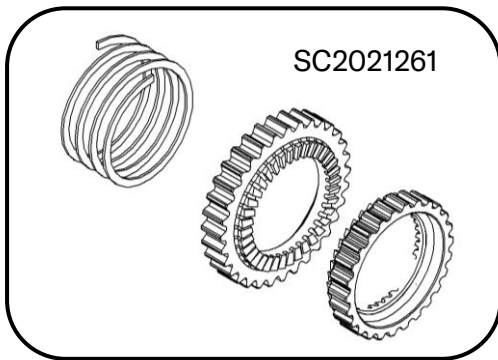
#	Part name	SC-number	Kit #
1	End-caps disc brake rear hub - TA 12X142MM	SC2021343	SC2021343
2	SKF Bearing 61802	SC2019085	SC2024142
3	Axle - Rear Disc Brake Hub 24H - R & R.A-series	SC2021366	
4	Rear Disc Brake Hub 28H (148x12) - R-series	SC2021226	
5	V-Seal	SC2024222	
6	SKF Bearing 61902	SC2019088	SC2024142
7	Flat spring Race	SC2024223	SC2021261
8	Diamond ratchet 36T	SC2021261	SC2021261
9	Diamond ratchet 36T	SC2021261	SC2021261
10	Distance bush - R-series	SC2021260	
11	Shimano Free hub for Race Series	SC2021255	SC2021255
12	End-caps disc brake rear hub - TA 12X142MM	SC2021343	SC2021343

* Multiple freehub bodies possible:

Micro Spline Freehub for Race Series		SC2021258
Campagnolo Freehub Body for Race Series		SC2021256
SRAM XD(R) Freehub for Race Series		SC2021257
N3W Freehub for Race Series		SC2021386

The right DS endcap is included when a freehub body is ordered.

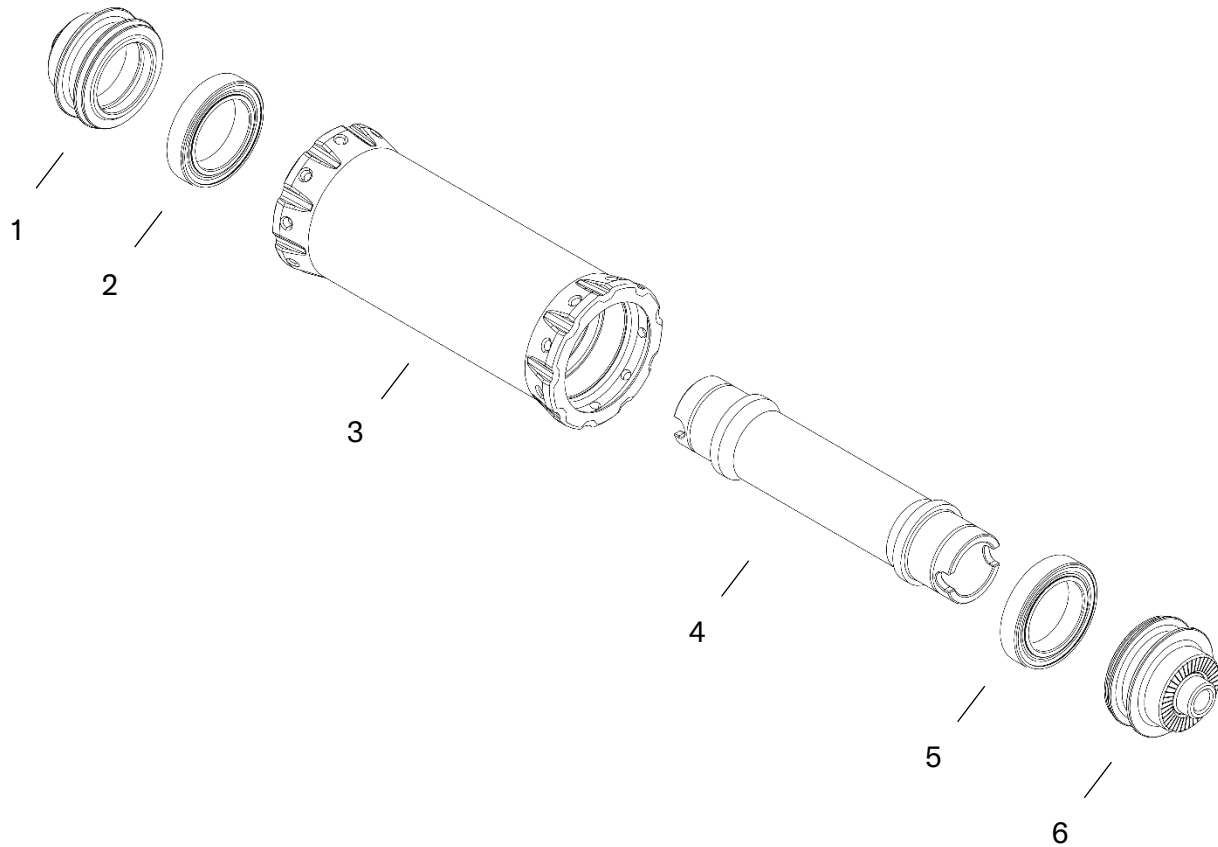
3.2.2. Spare parts kits



Kit #	Part name	Contains
SC2021261	Diamond ratchet 36T	SC2021261 SC2024223
SC2024142	Bearing kit - Rear Hub	SC2019088 SC2019087
SC2025221	Rear Hub End Cap Kit (12x142) - R-series	SC2025211 SC2025213
SC2021255	Shimano Free hub for Race Series	SC2021255 SC2025211

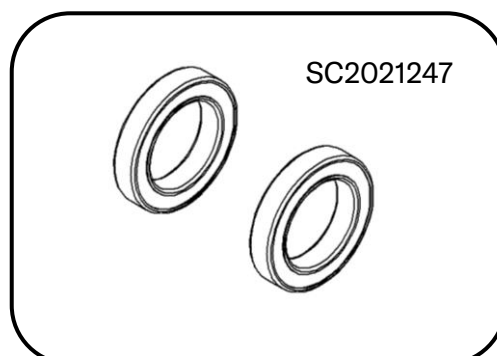
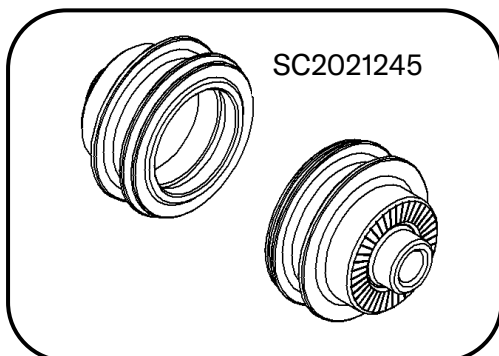
3.3. Front Rim brake hub 18H (100xQR) R-Series - SC2021223

3.3.1. Parts list



#	Part name	SC-number	Kit #
1	End-caps rim brake front hub - QR 100MM - R.C	SC2021345	SC2021245
2	SKF Bearing 61803	SC2019087	SC2021247
3	Front Rim Brake Hub Shell 18H (100xQR)	SC2021223	
4	Axle - Front Rim Brake Hub 18H - R-series	SC2021369	
5	SKF Bearing 61803	SC2019087	SC2021247
6	End-caps rim brake front hub - QR 100MM - R.C	SC2021345	SC2021245

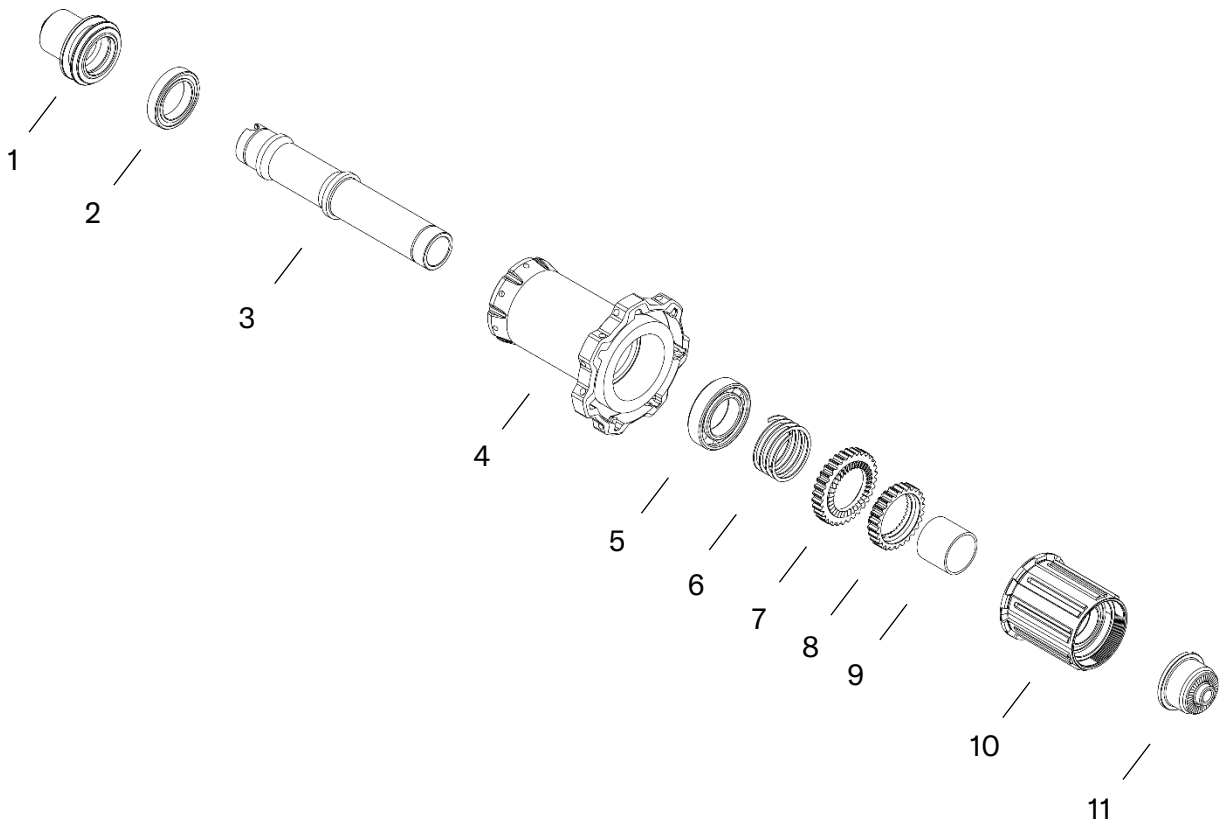
3.3.2. Spare parts kits



Kit #	Part name	Contains
SC2021245	End-caps rim brake front hub – QR 100mm – R.C	SC2021261 SC2024223
SC2024147	Bearing kit – Front hub	SC2019088 SC2019087

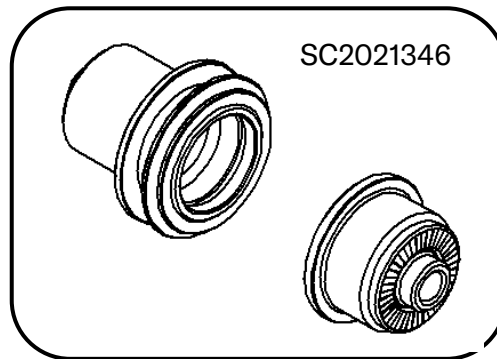
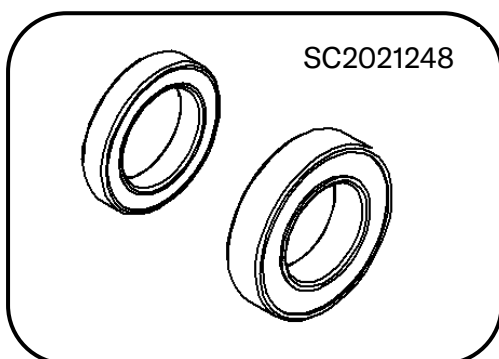
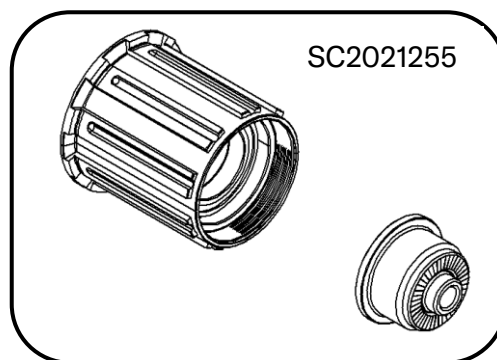
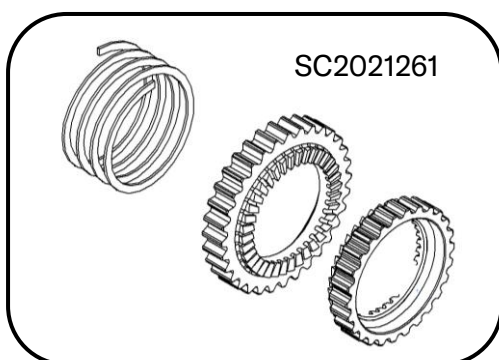
3.4. Rear Rim Brake Hub 21H (130xQR) - R-series SC2021224

3.4.1. Parts list



#	Part name	SC-number	Kit #
1	End-caps rim brake rear hub - QR 130MM - R.C	SC2021346	SC2021346
2	SKF Bearing 61803	SC2019087	SC2021248
3	Axle - Rear Rim Brake Hub 21H - R-series	SC2021370	
4	Rear Rim Brake Hub Shell 21H (130xQR)	SC2021224	
5	SKF Bearing 61903	SC2019088	SC2021248
6	Flat spring	SC2024223	SC2021261
7	Diamond ratchet 36T	SC2021261	SC2021261
8	Diamond ratchet 36T	SC2021261	SC2021261
9	Distance bush - R-series	SC2021260	
10	Shimano Free hub for Race Series	SC2021255	SC2021255
11	End-caps rim brake rear hub - QR 130MM - R.C	SC2021346	SC2021346

3.4.2. Spare parts kits



Kit #	Part name	Contains
SC2021261	Diamond ratchet 36T	SC2021261 SC2024223
SC2021248	Bearing kit - Rear hub	SC2019088 SC2019087
SC2021255	Shimano Free hub for race series	SC2021255 SC2021253
SC2021346	End-caps rim brake rear hub - QR 130MM - R.C	SC2021495

4. Other questions

In case the information in this document hasn't been sufficient to answer your questions, please reach out by phone +31 (0)40 298 66 04 or mail info@scopecycling.com to get in touch with our customer service team.