

NGR

RACING PRODUCTS

Assembly Instructions

NGR Racing Products



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Tightening Torques

Part	Tightening Torque	Notes
Front axle nut	40–45 Nm	Ensure correct front fork alignment
Rear axle nut	80–90 Nm	Check chain tension
Front axle clamps (per bolt)	10 Nm	Not too tight, tighten evenly
Front/rear brake disc bolts	10–12 Nm	Loctite 243, tighten in a criss-cross pattern
Rear sprocket bolts	45–60 Nm	Loctite 243, star pattern
Front sprocket bolt (central)	±45 Nm	Loctite 243 or locking plate (depending on type)

These values apply to most models from 2017 through 2024 but may vary slightly depending on the year or model.

To ensure accuracy, always check the manual for your specific motorcycle. For motorcycles other than those listed above, always consult your bike's manual for wheel installation instructions.

Checking Spoke Tension

Warning – Risk of accidents

Unstable riding behavior due to incorrect spoke tension.

- Make sure the spoke tension is correct.

Info

A loose spoke causes the wheel to become unbalanced, which can lead to more spokes loosening over a short period.

If spokes are tightened too much, they can break due to local overload.

Regularly check spoke tension, especially on a new motorcycle.

Wheels, Tires

- Tap briefly on each spoke with the shaft of a screwdriver.

Info

The pitch depends on the length and diameter of the spoke.

If different pitches are heard on spokes of the same length and thickness, this indicates differences in spoke tension.

A clear tone should be audible.

If spoke tension differs:

- Correct the spoke tension.
-

Check spoke nipple tightening torque

Specified value:

Hub Assemblies and Replacements

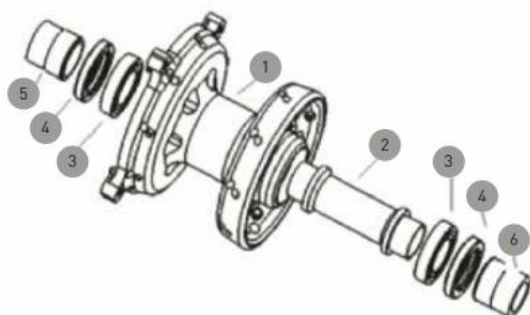
Front Hubs SMPRO

HUB FITMENTS AND REPLACEMENTS

HUB FITMENTS AND REPLACEMENTS



FRONT HUBS



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
CR 80/85	SP101	SP101-T	6904	25*37*7	SP101-1	SP102-2
CRF 150	SP181	SP181-T	6904	25*37*7	SP181-1	SP181-2
CR 125/250, CRF 250R/450R	SP153	SP153-T	6905	30*42*7	SP153-1	SP153-2
CRF 250L	SP155	SP155-T	6905	30*42*7	SP155-1	SP155-2
CRF 250X/450X	SP172	SP172-T	6905	30*42*7	SP153-1	SPEEDO DRIVE

Kawasaki

Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
KX 65	SP130	SP130-T	6202	25*35*7	SP130-1	SP130-2
KX 80/85	SP143	SP143-T	6203	25*40*7	SP143-1	SP143-2
KX 125/250 KXF 250/450	SP176	SP176-T	6905	30*42*7	SP176-1	SP176-1



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
SX 50	SP300	SP300-T	6203	25*40*7	SP300-2	SP300-3
SX 65 2012-17	SP302	SP302-T	6003	25*35*7	SP302-3	SP302-4
SX 65 2006-11	SP150	SP150-T	6003	25*35*7	SP150-1	SP150-2
SX 85 2012-17	SP301	SP301-T	6905	30*42*7	SP301-1	SP301-1
SX 85 2008-11	SP162	SP162-T	6905	30*42*7	SP162-1	SP162-2
SX/SXF/EXC/EXCF 125-500 26mm Axle	SP157	SP157-T	6906	35*47*7	SP157-1	SP157-1
SX/SXF/EXC/EXCF 125-500 22mm Axle	SP157	SP157-T	6906	35*47*7	SP157-22-1	SP157-22-2
Freeride	SP301	SP301-T	6905	30*42*7	SP301-1	SP301-1

HUB FITMENTS AND REPLACEMENTS



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
YZ 85	SP108	SP108-T	6202	25*35*7	SP108-1	SP108-2
YZ 125/250 YZF 250/450	SP185	SP185-T	6905	30*42*7	SP185-4	SP185-5
WRF 240/400/450	SP154	SP154-T	6905	30*42*7	SP154-1	SPEEDO DRIVE
WR 250R	SP186	SP186-T	6203	25*40*7	SP186-1	SP186-2
WR 250X	SP187	SP187-T	6203	25*40*7	SP187-1	SP187-2



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
RM 85	SP108	SP108-T	6202	25*35*7	SP108-1	SP108-2
RM 125/250	SP192	SP192-T	6905	30*42*7	SP192-1	SP192-2
RMZ 250/450	SP175	SP175-T	6905	30*42*7	SP175-1	SP175-1
DRZ 400E	SP145	SP145-T	6905	30*42*7	SP145-1	SP145-2



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
TC 50	SP300	SP300-T	6203	25*40*7	SP300-2	SP300-3
TC 65	SP302	SP302-T	6003	25*35*7	SP302-3	SP302-4
TC 85	SP301	SP301-T	6905	30*42*7	SP301-2	SP301-3
TC/FC/TE/FE All Models 125-450	SP157	SP157-T	6906	35*47*7	SP157-22-1	SP157-22-2



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
TE/FE All Models 250-501	SP157	SP157-T	6906	35*47*7	SP157-22-1	SP157-22-2



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
SER/SEF 4T & 2T Enduro Models	SP190	SP190-T	6004	25*42*7	SP190-1	SP190-1



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
EC Enduro Models	SP167	SP167-T	6905	30*42*7	SP167-1	SP167-1



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
RR 4T & 2T Enduro Models	SP191	SP191-T	6906	35*47*7	SP191-1	SP191-1

WHEELS

RIMS

HUBS

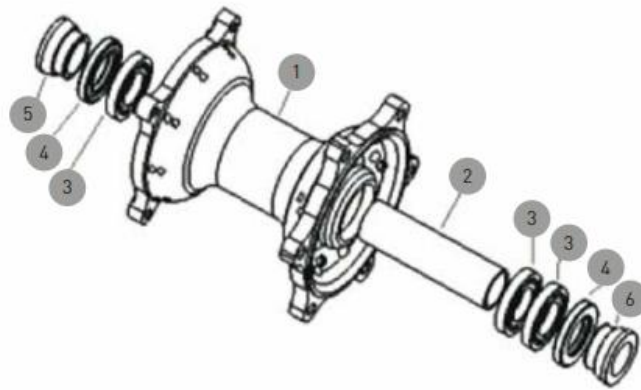
BRAKES

Rear Hubs SMPRO

HUB FITMENTS AND REPLACEMENTS



REAR HUBS



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
CR 80/85	SP103	SP103-T	6202	25*35*7	SP103-1	SP103-1
CRF 150	SP068	SP068-T	6003	25*35*7	SP068-1	SP068-2
CR 125/250 2002-2007	SP047	SP047-T	6005	30*47*7	SP047-1	SP047-1
CRF 250 2004-13, CRF 450 2002-12	SP047	SP047-T	6005	30*47*7	SP047-1	SP047-1
CRF 250 2014-17, CRF 450 2013-17	SP012	SP012-T	6005	30*47*7	SP012-1	SP012-2
CRF 250L	SP045	SP045-T	6203	25*40*7	SP045-1	SP045-2
CRF 250X/450X	SP047	SP047-T	6005	30*47*7	SP047-1	SP047-1



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
KX 65	SP027	SP027-T	6202	25*35*7	SP027-1	SP027-2
KX 80/85	SP042	SP042-T	6004	30*42*7	SP042-1	SP042-1
KX 125/250 KXF 250/450	SP053	SP053-T	6005	30*47*7	SP053-1	SP053-1



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
SX 50 2004-13	SP066	SP066-T	6203	25*40*7	SP066-1	SP066-2
SX 50 2014-17	SP067	SP067-T	6003	25*35*7	SP067-1	SP067-2
SX 65	SP049	SP049-T	6003	25*35*7	SP049-3	SP049-4
SX 85	SP057	SP057-T	6005	30*47*7	SP057-1	SP057-1
SX/SXF/EXC/EXCF 125-500 20mm Axle	SP052	SP052-T	6005	30*47*7	SP052-1-12	SP052-2-12
SX/SXF/EXC/EXCF 125-500 25mm Axle	SP052	SP052-T	6005	30*47*7	SP052-13	SP052-13
Freeride	SP057	SP057-T	6005	30*47*7	SP057-1	SP057-1



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
YZ 85	SP010	SP010-T	6202	25*35*7	SP010-1	SP010-2
YZ 125/250 YZF 250/450	SP074	SP074-T	6005	30*47*7	SP074-1	SP074-2
WRF 250/400/450	SP074	SP074-T	6005	30*47*7	SP074-3	SP074-3
WR 250 R/X	SP082	SP082-T	6005	30*47*7	SP082-1	SP082-2



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
RM 85	SP010	SP010-T	6202	25*35*7	SP010-1	SP010-2
RM 125/250	SP092	SP092-T	6005	30*47*7	SP092-1	SP092-2
RMZ 250/450	SP063	SP063-T	6005	30*47*7	SP063-1	SP063-1
DRZ 400E	SP044	SP044-T	6005	30*47*7	SP044-1	SP044-2



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
TC 50	SP067	SP067-T	6003	25*35*7	SP067-1	SP067-2
TC 65	SP049	SP049-T	6003	25*35*7	SP049-3	SP049-4
TC 85	SP057	SP057-T	6005	30*47*7	SP057-1	SP057-1
TC/FC/TE/FE All Models 125-450	SP052	SP052-T	6005	30*47*7	SP052-13	SP052-13



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
TE/FE All Models 250-501	SP052	SP052-T	6005	30*47*7	SP052-13	SP052-13



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
SER/SEF 4T & 2T Enduro Models	SP090	SP090-T	6005	32*47*7	SP090-1	SP090-2



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
EC Enduro Models	SP058	SP058-T	605	30*47*7	SP058-1	SP058-2



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Disc Spacer	6.Plain Spacer
RR 4T & 2T Enduro Models	SP091	SP091-T	6005	30*47*7	SP091-1	SP091-2

WHEELS

RIMS

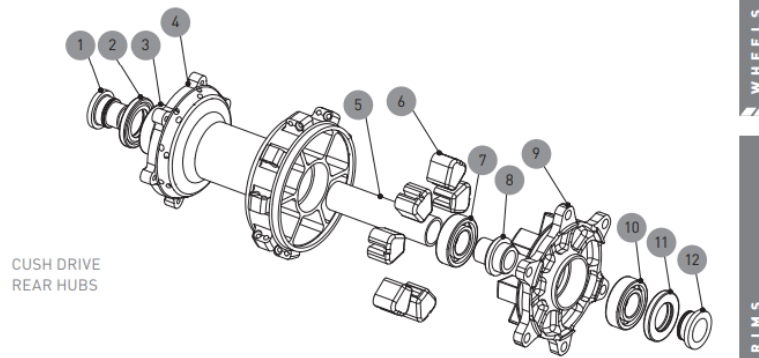
HUBS

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Cush Drive Rear Hubs SMPRO

HUB FITMENT AND REPLACEMENT PARTS

HUB FITMENT AND REPLACEMENT PARTS



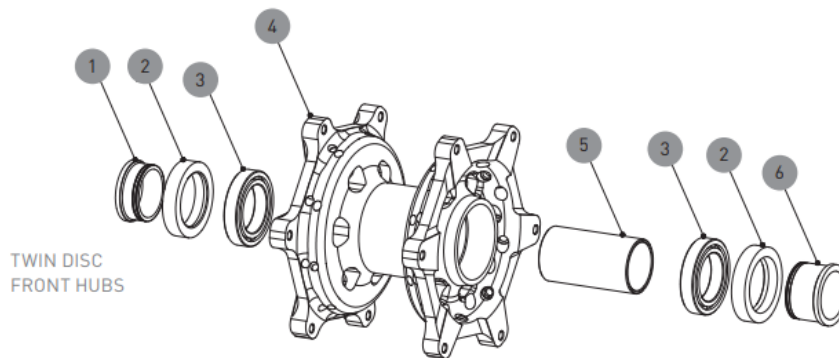
Model	Hub Fitment	Tube	Bearing	Seal	Sprocket Spacer	Disc Spacer	Carrier Spacer	Carrier	Cush Rubber
BMW F800GS	SP714	SP714-T	6204	30*47*7	SP714-1	SP714-2	SP714-3	SP712-C	SP714-R
CRFL 1000 Africa Twin	SP715	SP715-T	6204	30*47*7	SP715-1	SP715-2	SP715-3	SP715-C	SP715-R
KTM 950/990	SP712	SP712-T	6205	30*52*7	SP712-1	SP712-2	SP712-3 & SP712-4	SP712-C	SP715-R
KTM 690	SP813	SP813-T	6205 & 6006	30*52*7	SP813-1	SP813-2	SP813-3	SP813-C	SP813-R
DR 650	SP060	SP060-T	6205 & 6204	30*52*7	SP060-1	SP060-2	SP060-3	SP060-C	SP060-R
All Honda CRF 2013 on	SP816	SP816-T	6005 & 6205	30*47*7	SP816-1	SP816-2	SP816-2	SP816-C	SP816-R
All KTM before 2013	SP832	SP832-T	6005 & 6006	30*47*7	SP832-1	SP832-2	SP832-3	SP832-C	SP832-R
All KTM 2013 on	SP832	SP832-T	6005 & 6006	30*47*7	SP832-4	SP832-5	SP832-6	SP832-C	SP832-R
Yamaha 125/250 with 22mm spindle	SP874	SP874-T	6005 & 6205	30*47*7	SP874-1	SP874-2	SP874-3	SP874-C	SP874-R
Yamaha 250/450F 2014 on with 25mm spindle	SP874	SP874-T	6005 & 6205	30*47*7	SP874-4	SP874-5	SP874-6	SP874-C	SP874-R

Make sure to install spacers 8 as well, otherwise the hub will get damaged!

Front Hubs with Dual Brake Discs SMPRO

HUB FITMENT AND REPLACEMENT PARTS

HUB FITMENT AND REPLACEMENT PARTS



Model	1.Hub Fitment	2.Tube	3.Bearing	4.Seal	5.Long Spacer	6.Short Spacer
BMW F800GS	SP811	SP811-T	6204	25*47*7	SP811-1	
CRFL 1000 Africa Twin	SP815	SP815-T	6004	30*42*7	SP815-1	SP815-1
KTM 950/990	SP812	SP812-T	6906	35*47*47	SP812-1	SP812-2

NGR Hubs

KTM



Positie	Axle	Model	Year
Front	26 mm	SX/SXF	2003 – 2016
Front	26 mm	EXC	2003 – 2016
Front	22 mm	SX/SXF	2016 –
Front	22 mm	EXC	2017 –
Rear	25 mm	SX/SXF	2003 – 2022
Rear	20 mm	EXC	2003 – 2023
Rear	22 mm	SX/SXF	2023 –
Rear	22 mm	EXC	2024 –

Husqvarna



Position	Axle	Model	Year
Front	26 mm	TC/FC	2013 – 2015
Front	26 mm	TE/FE	2013 – 2015
Front	22 mm	TC/FC	2016 –
Front	22 mm	TE/FE	2017 –
Rear	25 mm	TC/FC	2013 – 2023
Rear	25 mm	TE/FE	2013 – 2023
Rear	22 mm	TC/FC	2024 –
Rear	22 mm	TE/FE	2024 –

Gasgas



Position	Axle	Model	Year	Commentary
Front	22 mm	MC/MCF	2021 –	
Front	22 mm	EC/ECF	2021 –	
Rear	25 mm	MC/MCF	2021 – 2023	
Rear	20 mm	EC/ECF	2021 – 2023	Long spacer/small side
Rear	22 mm	EC/ECF	2024 –	Long spacer/small side

Haan Wheels

Check Which Parts Fit Your Haan Wheels

If you want to see which parts are compatible with your Haan wheels, simply click the link below to visit the page and browse the available options.

[Haan Wheels Partsnumbers](#)