

Note!

Please note that there can be small differences between your product and the images in these instructions.

Note!

Please note that during storage and transport, especially at high ambient temperature, some of the oil and grease used for assembly may leak and stain the packaging. This will not cause damage to the product, wipe off the excessive oil or grease with a cloth.

Kit Contents

Description	Part No	Pcs
Front fork kit	FGR 263	1
Spring, front fork	08444-11	2
Spring, front fork	08444-13	2
Caliper spacer	01669-03	4
Sticker set "ÖHLINS"		
Owner's Manual	07280-30	1

Note!

Before you install this product, check the kit contents. If anything is missing, please contact an Öhlins dealer.

Warning!

Before you install this product, read the Öhlins Owner's manual. This product is an important part of the vehicle and the vehicle stability.

Front Fork Bagger

FGR 263

Mounting Instructions/Spare Parts List

SAFETY PRECAUTIONS

Warning!

The shock absorber/front fork/steering damper is an important part of the vehicle and will affect the stability.

Warning!

After installing the Öhlins product, take a test ride at low speed to make sure your vehicle has maintained stability.

Warning!

Some of Öhlins products contain pressurized nitrogen gas (N₂). Do not open, service or modify pressurized products without proper education (approved Öhlins dealer/distributor) and proper tools.

Note!

Read and ensure you understand the information in this manual and other technical documents provided by Öhlins, before you use the product.

Note!

Öhlins Racing AB can not be held responsible for any damage to the shock absorber/front fork/steering damper, vehicle, other property or injury to persons, if the instructions for mounting, usage and maintenance are not obeyed.

Warning!

If the suspension makes an abnormal noise, or the function is irregular, or if you notice any leakage from the product, stop the vehicle immediately and return the product to an Öhlins Service Centre.

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SAFETY SYMBOLS

In this manual, mounting instructions and other technical documents, important information concerning safety is distinguished by the following symbols:



The Safety Alert Symbol means: Warning! Your safety is involved.

Warning!

The Warning Symbol means: Failure to follow warning instructions can result in severe or fatal injury to anyone working with, inspecting or using the shock absorber, or to bystanders.

Caution!

The Caution Symbol means: Special precautions must be taken to avoid damage to the shock absorber.

Note!

The Note Symbol indicates information that is important regarding procedures.

Warning!

The product warranty shall only apply if the product has been operated and maintained in accordance with recommendations in this manual. If you have any questions regarding usage, service, inspection and/or maintenance contact Öhlins.

Note!

When working with the Öhlins product, read the Vehicle Service Manual.

Warning!

This product was developed and designed exclusively for a specific vehicle model and shall only be installed on the intended vehicle model in its original condition as delivered from the vehicle manufacturer.

FGR 263 TECHNICAL INFORMATION

FGR 263

Front fork length/stroke	790/130 mm
Free spring length	300 mm

Adjustment Range

Compression	~30 clicks
Rebound	~30 clicks
Spring preload	0-18 mm (0-18 turns)

The adjustment range from closed valve (clockwise) to maximum open valve (counter clockwise): approx. 30 clicks

Spring rate

12.0 N/mm (mark -12) STD	08444-12
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Supplied optional springs

11.0 N/mm (mark -11)	08444-11
13.0 N/mm (mark -13)	08444-13

Oil capacity

See specification card. Use Öhlins Front Fork fluid 01309 only.

Torque

Outer tube lower clamp Ø58 mm 0/-0.05
Outer tube upper clamp Ø52 mm 0/-0.05
Lower triple clamp bolt 12-15 Nm (1-2-1)
Upper triple clamp bolt 18-22 Nm, if 2 screws (1-2-1)
Wheel axle Clamp bolt 17-19 Nm (1-2-1)
Wheel axle tolerances Ø 30mm -0.02/-0.06

Note!

*If your vehicle also is equipped with an Öhlins Steering Damper Outer tube clamp;
Tighten to: 12-15Nm*

The FGR 263 Front fork shall only be installed on motorcycles that fulfill these data

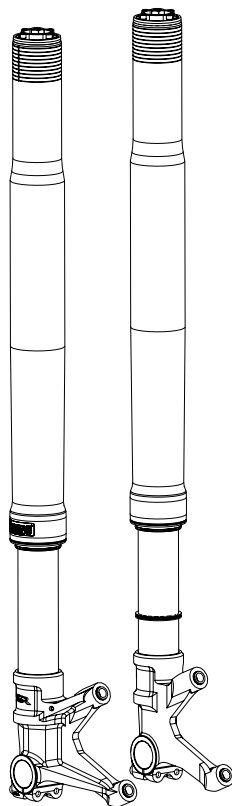
Maximum weight (including rider) = 358 kg
Number of brakes = 2 pcs
Wheel diameter = 630 ± 60 mm
Fork angle = 26°± 3°

Service intervals

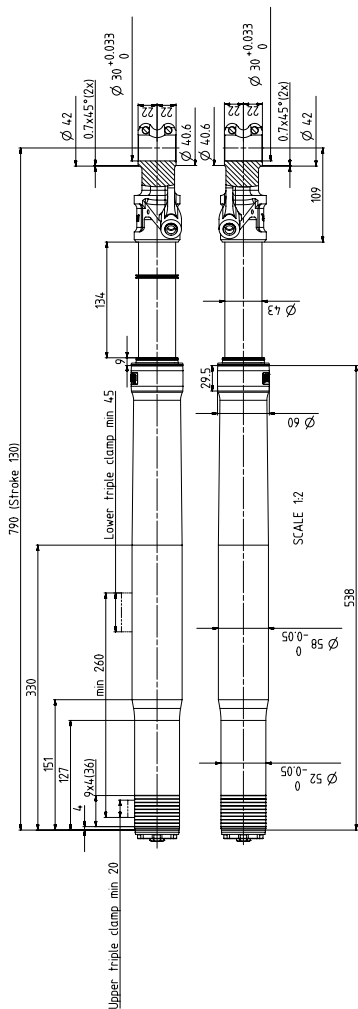
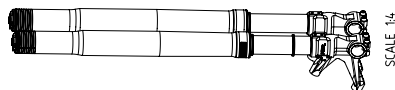
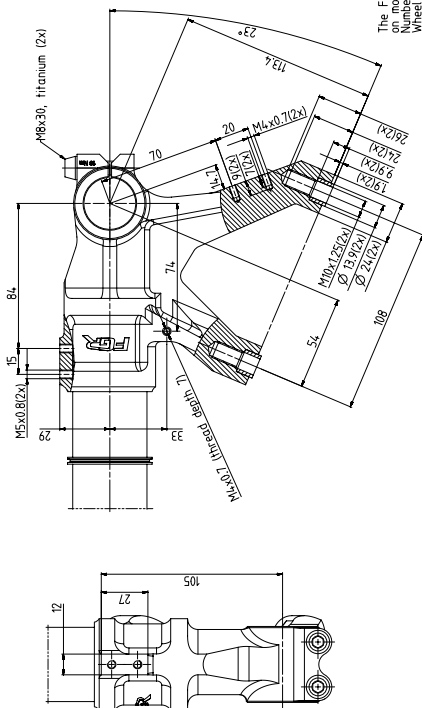
This product is designed for racing use only. Service and maintenance is recommended every 20 hours.

Disposal

Discarded products should be handed over to an authorized Öhlins Service Centre for proper disposal.



FGR 263 TECHNICAL INFORMATION



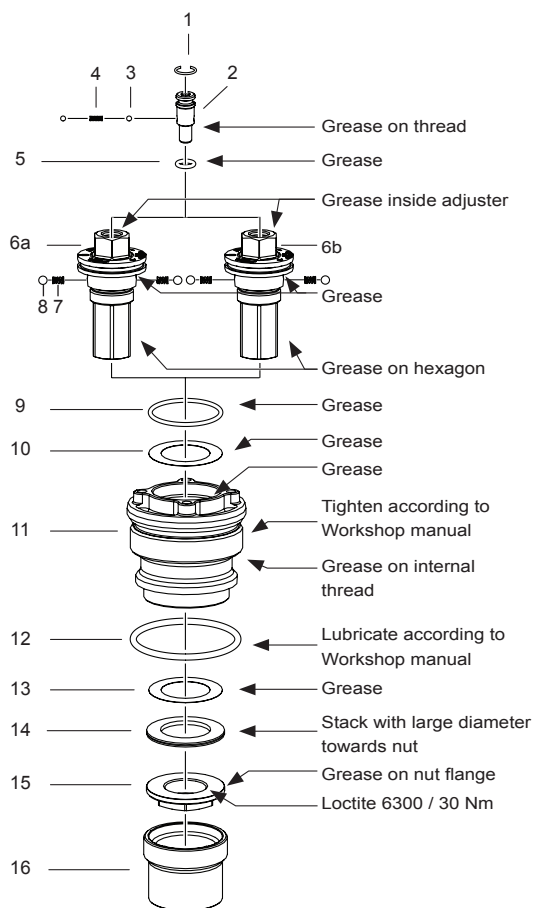
The FGR 263 Front fork shall only be installed on motorcycles that fulfil these data:
 Wheel diameter = 170 mm
 Wheel diameter = 170 mm
 Fork angle = 24.4°

Right hand side fork bottom's dimensions and left hand side fork bottom's dimensions are symmetrical

FGR 263

FGR 263

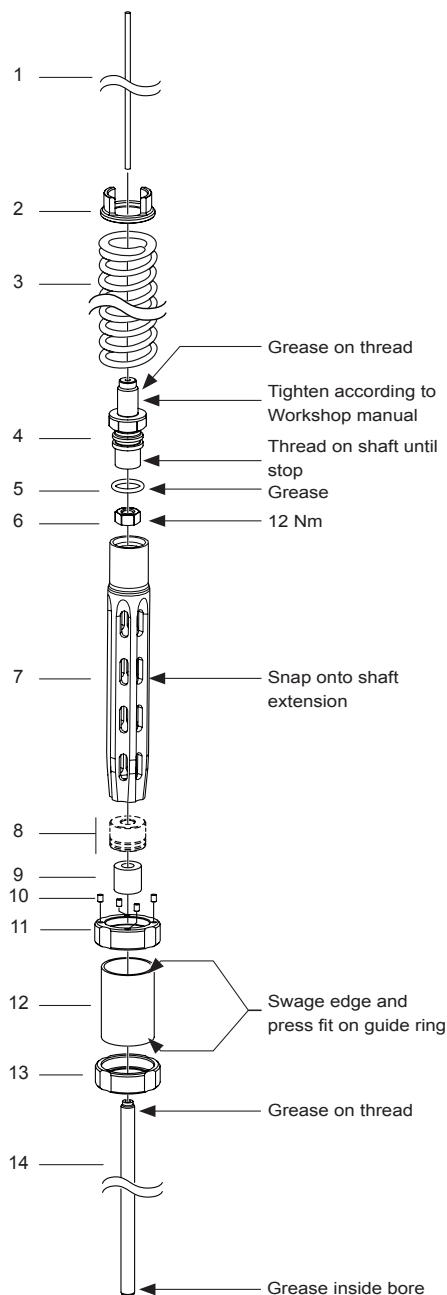
Figure 1 - Top cap



Pos	Part No	Pcs	Description	Notes
1-1	01473-01	2	Circlip	
1-2	21819-01	2	Adjustment screw	
1-3	00884-04	4	Ball	
1-4	01474-01	2	Spring	
1-5	00577-01	2	O-ring	
1-6a	21955-01	1	Adjuster	Compression
1-6b	21955-02	1	Adjuster	Rebound
1-7	03083-02	4	Spring	
1-8	00884-06	4	Ball	
1-9	00638-86	2	O-ring	
1-10	03309-04	2	Shim	
1-11	21976-14	2	Adjustment housing	
1-12	00338-02	2	O-ring	
1-13	03309-01	2	Shim	
1-14	03317-01	8	Spring washer	
1-15	03313-01	2	Nut	
1-16	03315-01	2	Preload socket	

The number of components is intended for one right hand side fork leg and one left hand side fork leg.

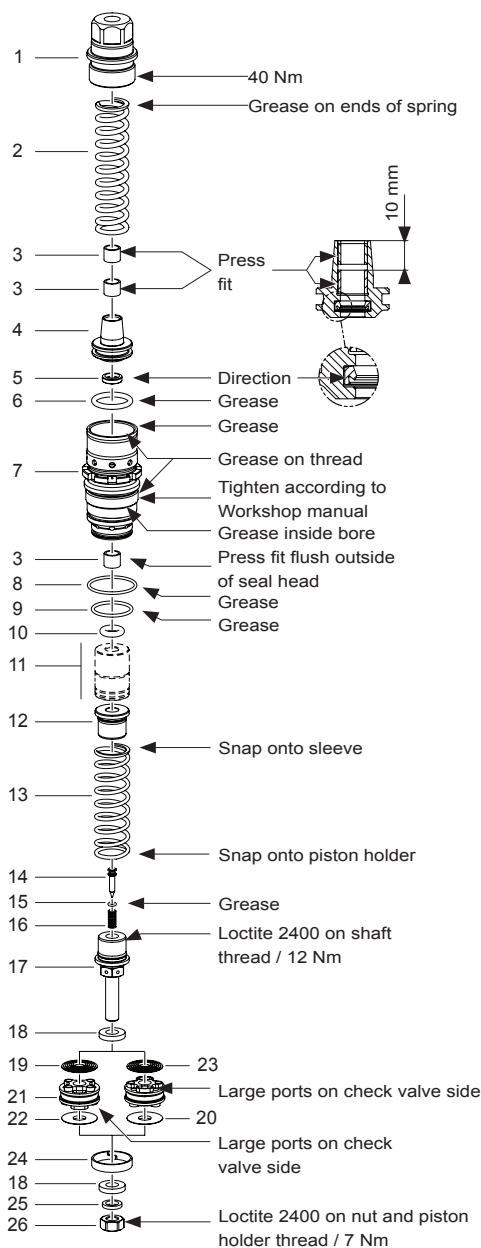
Figure 2 - Shaft assembly



Pos	Part No	Pcs	Description	Notes
2-1	15412-28	2	Adjustment rod	
2-2	03316-02	2	Spring support	
2-3	08444-11	2	Main spring	11 N/mm
2-3	08444-12	2	Main spring	12 N/mm *
2-3	08444-13	2	Main spring	13 N/mm
2-4	01901-09	2	Shaft extension	
2-5	00338-76	2	O-ring	
2-6	00437-09	2	Nut	
2-7	21975-03	2	Guide sleeve	
2-8	01582-23	2	Spacer 10 mm	
	01582-22	6	Spacer 3 mm	
2-9	01580-04	2	Bump rubber	
2-10	21244-02	8	Magnet	
2-11	21978-04	2	Guide ring	
2-12	01460-58	2	Preload tube 59 mm	Standard stroke 130 mm
2-12	01460-80	2	Preload tube 48 mm	Optional stroke 120 mm
2-13	01438-04	2	Guide ring	
2-14	21812-22	2	Shaft	

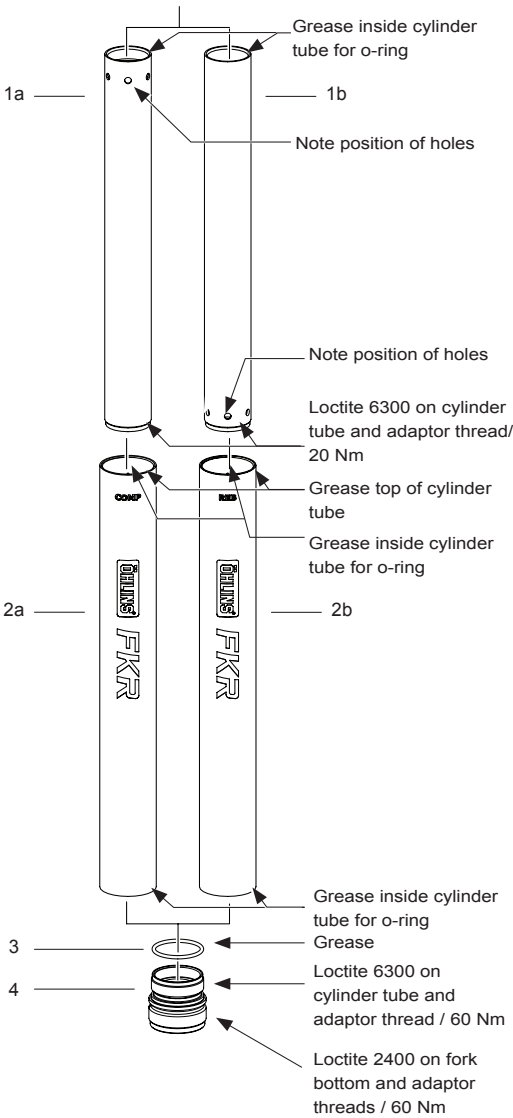
* Installed at delivery

Figure 3 - Seal head and piston assembly



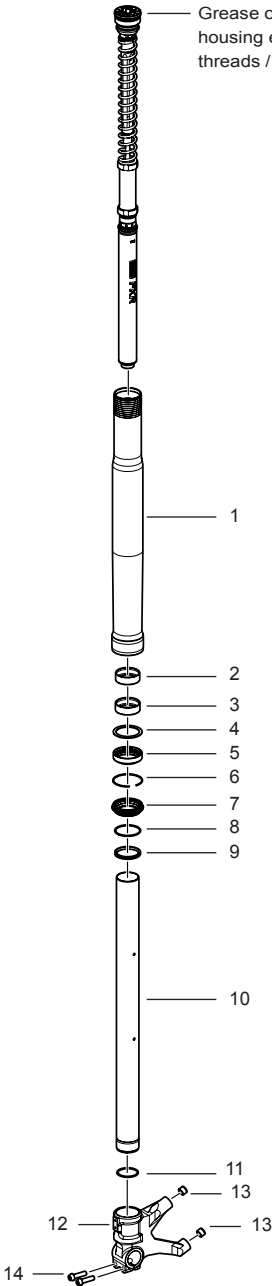
Pos	Part No	Pcs	Description	Notes
3-1	21922-01	2	Cap seal head	
3-2	21927-01	2	Spring	
3-3	01056-09	6	Bushing	
3-4	21921-01	2	Piston dividing	
3-5	15428-01	2	Seal	
3-6	00338-25	2	O-ring	
3-7	21920-01	2	Seal head	
3-8	00338-72	2	O-ring	
3-9	00338-27	2	O-ring	
3-10	00638-81	2	O-ring	
3-11	01582-23	2	Spacer 10 mm	Standard stroke 130 mm Spacers total 25 mm
	01582-24	2	Spacer 15 mm	
3-11	01582-23	4	Spacer 10 mm	Optional stroke 120 mm Spacers total 35 mm
	01582-24	2	Spacer 15 mm	
3-12	01653-09	2	Sleeve	
3-13	21733-01	2	Spring	
3-14	21813-15	2	Needle	
3-15	00338-56	2	O-ring	
3-16	04727-09	2	Spring	
3-17	01654-15	2	Piston holder	
3-18	21926-01	4	Washer	
3-19	See spec. card	1	Shim stack	Compression
3-20	See spec. card	1	Shim stack	Rebound
3-21	21923-01	2	Piston	
3-22	See spec. card	1	Check valve shim stack	Compression
3-23	See spec. card	1	Check valve shim stack	Rebound
3-24	01447-02	2	Piston ring	
3-25	01674-01	2	Washer	
3-26	01657-01	2	Nut	

Figure 4 - Cylinder tube assembly



Pos	Part No	Pcs	Description	Notes
4-1a	21929-01	1	Cylinder tube	Compression
4-1b	21929-02	1	Cylinder tube	Rebound
4-2a	21930-01	1	Cylinder tube	Compression
4-2b	21930-02	1	Cylinder tube	Rebound
4-3	00576-07	2	O-ring	
4-4	21924-06	2	Adaptor	

Figure 5 - External components



Pos	Part No	Pcs	Description	Notes
5-1	01900-16	2	Outer tube	
5-2	01683-04	2	Bushing, upper	
5-3	01684-04	2	Bushing, Lower	
5-4	04758-01	2	Washer	
5-5	04720-02	2	Seal	
5-6	04759-01	2	Circlip	
5-7	04721-03	2	Scraper	
5-8	00338-54	1	O-ring	Right
5-9	01565-04	1	Stroke Indicator	Right
5-10	21634-13	2	Fork leg inner	
5-11	00338-63	2	O-ring	
5-12	21664-57	1	Fork bottom right	
5-12	21664-58	1	Fork bottom left	
5-13	01669-02	4	Sleeve	
5-14	01240-09	4	Screw	

FGR 263 SETUP DATA

SETUP DATA

Recommended setup

Compression adjustment	14	clicks
Rebound adjustment	14	clicks
Suspension fluid level	200	mm
Minimum suspension fluid level	280	mm
Suspension fluid part number	01309-xx	
Front fork leg position	Standard	

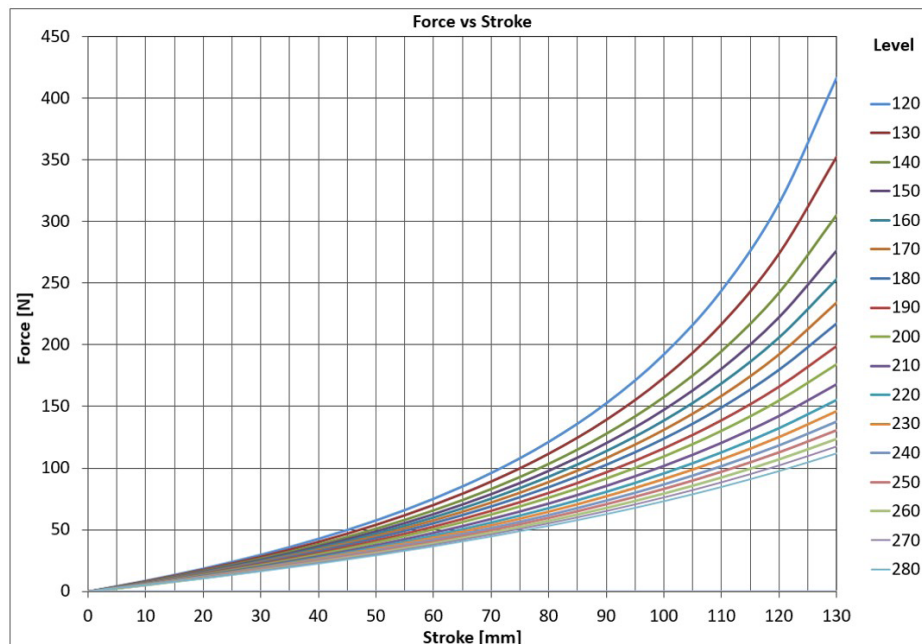
MAIN SPRING GUIDE

Make sure you choose the correct main spring for your rider weight, driving style and preferences. Below you find a general recommendation of main spring rate for your weight. Contact an authorized Öhlins service center for advice.

Rider weight [kg]	50	60	70	80	90	100	110
Spring rate [N/mm]	11	11	12	12	12	13	13
Preload [mm]	7	8	6	8	9	7	9
Part number (pair)	08423-11	08423-11	08423-12	08423-12	08423-12	08423-13	08423-13
Part number (single)	08444-11	08444-11	08444-12	08444-12	08444-12	08444-13	08444-13

👁 Note!

Only 08423-xx main springs are packed in pairs.



Öhlins products are subject to continuous improvement and development, therefore, although these instructions include the most up-to-date information available at the time of printing, minor updates may occur.

To find the latest information contact an Öhlins distributor. Please contact Öhlins if you have any questions regarding the contents in this document.

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