



ADVANCED SUSPENSION TECHNOLOGY

MOUNTAIN BIKE



HISTORY

Ever since the company was founded in 1976, Öhlins has represented the very pinnacle of suspension technology and firmly rooted itself as an intricate part of the motorsport industry, underpinning countless world titles. That very technology has subsequently been adopted not only as the gold standard of aftermarket suspension, but is also by car and motorcycle manufacturers around the world.

Back in the 1960's, Kenth Öhlin was an up-and-coming motocross rider and showed an innate talent for mechanics. He knew how to bring the best out of his material and soon he saw himself engaged in modifying his competitor's bikes. By the time he started his business he had already designed exhaust pipes, engines and – of course – shock absorbers.

Öhlins soon became synonymous with advanced suspension. The products were not only superior in terms of technology, but as Mr. Öhlin was, and is, a very meticulous man the quality was always outstanding. The first world championship was won already in 1978, as Russian Gennady Moiseev took the 250cc title on an Öhlins equipped KTM. Since then, more than another 300 world titles have followed. The success continued in road racing and soon also in the automotive segment, in racing as well as in rally, all adding to the motorsport pedigree. But don't think that Öhlins was content, not for a minute. The company continued to grow, adding electronically controlled, semi-active suspension to its portfolio under the trademark CES. Today, this technology has revolutionized the car industry and can be found in a wide range of products from premium car manufacturers.

In the 1980's, Öhlins' achievements got the attention of industrial giants and in 1987, Öhlins was acquired by Yamaha. Under the Japanese ownership, Öhlins had the necessary financial stability to develop into a dominating player in the industry. Twenty years later, Öhlins was considered better off on its own legs and Kenth Öhlin regained the company he once had started.



PRODUCT OVERVIEW

THE CHOICE FOR YOU

Tailor made for you! We have the perfect part for your bike, delivering outstanding performance at a competitive price. Ohlins manufactures more than 300 different shock absorber models, every one uniquely fitted to your bike and suited to fit without interfering. We make sure that the product behaves the way it should, through the design of the shim stacks and valves as well as the calibration of the adjusters. This is no guesswork. We try the settings out, in real life, and adjust them until everything works perfect for each and every specific model. Then we assemble the products with utmost precision to ensure superior control of the damping force. That is the key to our success.



**STX 22 AIR
CUSTOM SERIES
SHOCK ABSORBER**



**TTX 22 M
CUSTOM SERIES
SHOCK ABSORBER**



**RXF 36 COIL
FRONT FORK**



**RXF 36 27.5"
FRONT FORK**



**RXF 36
FRONT FORK**



**RXF 34
FRONT FORK**



**LIGHT WEIGHT
SPRING SERIES**

ÖHLINS PRODUCTS FOR SPECIALIZED

Working with Specialized challenges us to take shock technology to a higher level, to create, not adapt. After countless hours of testing, fine tuning of spring curves and shim stacks, the result is a shock specifically dedicated to a frame and wheel size. Our products will make you feel like the pro you really are, offering confidence, control and the best riding experience. A match made in heaven or just the ultimate ride? You decide!



TTX 22 M
SHOCK ABSORBER
DEMO



STX 22 AIR
SHOCK ABSORBER
ENDURO



TTX 22 M
SHOCK ABSORBER
ENDURO / ENDURO EVO
/ STUMPJUMPER



STX 22 AIR
SHOCK ABSORBER
RHYME / STUMPJUMPER





SHOCK ABSORBERS





STX 22 AIR CUSTOM SERIES SHOCK ABSORBER

Where light weight of a cross country shock meets the maximum control of a downhill bike. The search is over, STX 22 offers unheard of traction and support in light weight durable unit. No compromise needed.

The STX 22 Air Custom Series features a large piston diameter balanced by a large compression valve that ensures internal pressures are kept under control. This results in low hysteresis and excellent damping response, offering ride efficiency without tampering with downhill control. Low and high speed compression and rebound damping are externally adjustable with an additional climb mode setting, a stability mode facilitating long climbs with maintained traction.

The new rider tune air spring features a seal system optimized for low friction but also to give a smooth balancing of pressure between the air chambers. The result is initial suppleness supported by mid-stroke control and that extra bottom out resistance coming from air spring characteristics. It is also possible for the rider to tune the spring curve by adding or removing volume spacers or additional oil in the positive air chamber for a more progressive or a linear feel.

15mm eyelet to work with direct axle frame mounting.

NEW!



STX 22

FEATURES

- > STX-technology
- > Specifically designed for the Enduro/trail segment
- > Sizes: 190x51 mm, 200x51 mm, 200x57 mm and 216x63 mm
- > Adjustable volume Air spring
- > Low friction seals and bushings
- > 15 mm eyelet
- > External rebound damping adjustment
- > External high speed comp adjustment with climb mode setting
- > External low speed comp adjustment
- > One piece body and reservoir for minimum weight whilst maintaining maximum strength
- > Weight starting at 340g





TTX 22 M CUSTOM SERIES SHOCK ABSORBER

World Cup downhill performance in a package to suit any bike, the damper that simply makes you faster, ride harder and constantly look for rougher sections. Ride what you never thought possible, flow through that section where death grip and a prayer was the only option. The limits you had, no longer exist.

The TTX 22 M Custom Series shock absorber is designed to handle the most challenging World Cup Downhill tracks while still providing pedal efficiency for the flat and uphill sections. The twin tube design allows the gas pressure to always backup the low-pressure side of the piston to keep pressure at a controlled level. This ensures consistent damping performance on all types of terrain and improves damping response to give outstanding control of the bike and tire movements.

Low and high speed compression and rebound damping are externally adjustable. Shocks with stroke of 2.5" and less feature the stability mode. 3rd position on high speed adjuster increase compression damping to reduce suspension movements during less technical climbs.



FEATURES

- > TTX-technology
- > Specifically designed for the Enduro/Gravity segment
- > Shock length/stroke: 7.5x2.0" (190x51), 7.87x2.0" (200x51), 7.87x2.25" (200x57), 8.5x2.5" (216x63), 8.75x2.75" (222x70), 9.5x3" (240x76), 10.5x3.5" (267x89)
- > Nitrogen pressurized bladder reservoir system
- > Easy to set up with enough adjustment range to suit different riding conditions
- > External, 3 level high-speed compression adjustment (2 level plus Climb mode on shocks 8.5 and under)
- > External, 16 click low-speed compression adjustment
- > External 7 click low speed rebound damping adjustment
- > DU Bush or Spherical bearing mounting options
- > Specific optimised spring range for each shock stroke to reduce weight with 23lbs 4N/mm increments saving 25-30% weight



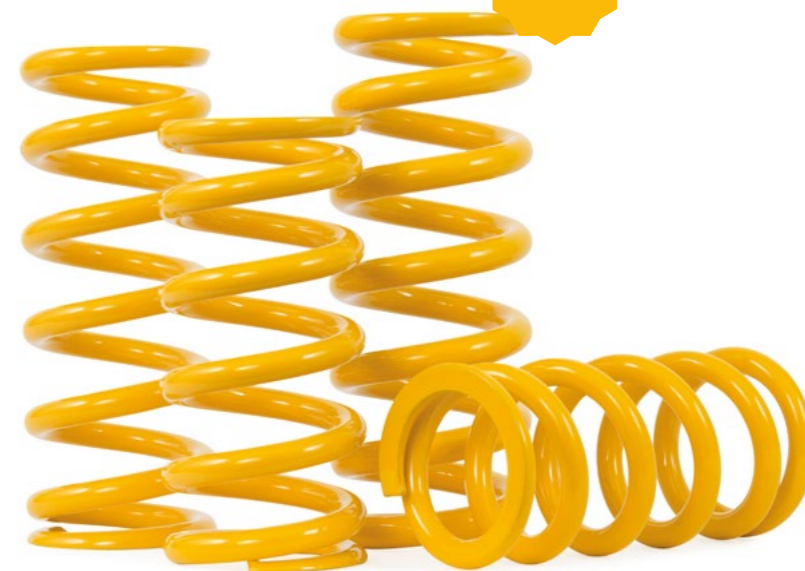


LIGHT WEIGHT SPRING SERIES

The new generation spring series, race ready weight with big mountain strength. Advanced technology featuring multi-step surface treatment process as well as cutting edge heat treatments and wire materials allows us to stress the wire harder without causing damage to the spring. Light weight spring series allow us to meet the growing demand of lighter coil springs from short travel trail bikes to World Cup Downhill bikes.

All our springs are sized for a specific shock stroke and all with 4 Nm/23 lbs increments.

NEW!





FRONT END PRODUCTS





RXF 36 COIL FRONT FORK

Expanding the capabilities of the modern trail bike even further, the coil sprung RXF 36 is here, less seals and less friction adding even more traction and stability.

A fork for that lives for big mountain riding, there are no boundaries any more.

Implementing TTX technology in the front fork, featuring a twin tube design, enabling parallel and separated oil flow to ensure optimal pressure at all times. Controlling the pressure levels ensures initial smoothness and staying high in travel with maintained bump absorption, traction and stability. Low and high speed compression are externally adjustable and fully independent.

7 different coil rates ensure you always have the correct spring rate combined with a unique forged unicrown for high stiffness and the highest tire control with less chassis flex.



RXF/36 **TTX**

FEATURES

- > TTX-technology
- > 29" Coil
- > 51 offset
- > Boost 15 x 110 mm axle
- > One piece crown and steerer
- > Coil spring system
- > 22 mm piston
- > Coil is 2380g with full steerer and heaviest rate spring
- > 35-65lbs Springs in 7 rates with 5lbs increments
- > Axle to crown is 568 mm @160 mm, 558 mm @150, 548 mm @140
- > Revised 15 click reb, low speed comp, 5 click high speed comp with pedal mode



RXF 36 27.5" FRONT FORK

RXF 36 in a dedicated 27.5" wheel size for the highest performance 27.5" bikes. A trail fork that lives for big mountain riding, there are no boundaries any more.

Implementing TTX technology in the front fork, featuring a twin tube design, enabling parallel and separated oil flow to ensure optimal pressure at all times. Controlling the pressure levels ensures initial smoothness and staying high in travel with maintained bump absorption, traction and stability. Low and high speed compression are externally adjustable and fully independent. Thanks to the easy to tune, 3 Chamber, twin piston Air spring and contrary to most of the forks available, the shape of the spring force can be adjusted, such as increasing sensitivity without bottoming out, all out on the trail using your regular shock pump.

Why boost? With the wider hub flange, and the stronger spoke-bracing angle, the stiffness and stability of the wheel is massively enhanced, at a tiny weight penalty, resulting in more effective and more precise bike handling.



RXF/36 **TTX**

FEATURES

- > TTX-technology
- > 27.5" fork
- > 22 mm piston
- > 46 mm Offset
- > Boost 15x110mm
- > 3 Chamber Air Spring
- > 15 click rebound, low speed comp, 5 click high speed comp with pedal mode
- > 27.5" is 2085g @ 170 mm travel
- > Axle to crown is 563 mm @ 170 mm, 553 mm @160, 543 mm @150, 533 mm @140
- > Max tyre size: 27.5x2.8 (Actual allowed outer dimensions of tyre: 725x70 mm)





RXF 36 FRONT FORK

Implementing TTX technology in the front fork, featuring a twin tube design, enabling parallel and separated oil flow to ensure optimal pressure at all times. Controlling the pressure levels ensures initial smoothness and staying high in travel with maintained bump absorption, traction and stability.

Low and high speed compression are externally adjustable and fully independent. Thanks to the easy to tune, 3 Chamber, twin piston Air spring and contrary to most of the forks available, the shape of the spring force can be adjusted, such as increasing sensitivity without bottoming out, all out on the trail using your regular shock pump.

Everything is brought together by a unique forged unicrown for high stiffness and the highest tire control with less chassis flex.

Why boost? With the wider hub flange, and the stronger spoke-bracing angle, the stiffness and stability of the wheel is massively enhanced, at a tiny weight penalty, resulting in more effective and more precise bike handling.



RXF/36 **TTX**

FEATURES

- > TTX-technology
- > Fits 29er, 27.5+ and some 27.5 frames
- > Travel: 120 mm, 140 mm, 150 mm, 160 mm
- > 36 mm stanchion tubes
- > Uni-crown with Tapered Steerer Tube
- > Low friction seals and bushings
- > 15x110 mm axle (boost)
- > 51 mm offset
- > External rebound adjustment
- > External high speed and low speed compression adjustment



RXF 34 FRONT FORK

Superior chassis stiffness combined with next level ride support gives you the steering precision to hit the line, then ride whatever the trail puts in your way. Ride the line you always looked at, uphill or downhill, not more wasted energy just complete control.

The fork features a twin tube design and implements the Öhlins TTX technology to the front end of the bike. The twin tube design enables parallel and separated oil flow so the fork provides optimal pressure at all times. Controlling the pressure levels ensures initial smoothness and staying high in travel with maintained bump absorption, traction and stability.

Low and high speed compression are externally adjustable and fully independent. Thanks to the easy to tune, 3 Chamber, twin piston Air spring and contrary to most of the forks available, the shape of the spring force can be adjusted, such as increasing sensitivity without bottoming out, all out on the trail using your regular shock pump.



RXF/34 **TTX**

FEATURES

- > TTX-technology
- > Fits 29er
- > Travel: 120 mm, 140 mm, 160 mm
- > Uni-crown with Tapered Steerer Tube
- > 34 mm stanchion tubes
- > Low friction seals and bushings
- > 15x100 mm axle
- > 46 mm offset
- > External rebound adjustment
- > External high speed and low speed compression adjustment



MERCHANDISE



ÖHLINS MERCHANDISE

Öhlins merchandise range is designed to keep you stylish, comfortable, functional and durable. Designed and tested by Öhlins crew to visualize our values and heritage, our range fits all who lives an active life in the saddle. Merchandise can be found through the Öhlins network.



Ö T-SHIRT

Part No: 11202-01 to -06

Size: XS - XXL



Ö PIQUE

Part No: 11205-01 to -06

Size: XS - XXL



Ö PIQUE

Part No: 11204-01 to -06

Size: XS - XXL



Ö T-SHIRT

Part No: 11203-01 to -06

Size: XS - XXL



Ö HOODIE

Part No: 11206-01 to -06

Size: XS - XXL



Ö ZIP HOODIE

Part No: 11207-01 to -06

Size: XS - XXL



RETRO T-SHIRT

Part No: 11201-01 to -06

Size: XS - XXL



Ö BACKPACK

Part No: 11216-01

Size: ONE SIZE



Ö BEANIE

Part No: 11210-01

Size: ONE SIZE



ÖHLINS WATCH 40 YEARS

Part No: 00098-01

Size: ONE SIZE



ÖHLINS LANYARD

Part No: 11213-01

Size: ONE SIZE



ÖHLINS UMBRELLA

Part No: 00021-01

Size: ONE SIZE



ÖHLINS WATCH

Part No: 00097-01

Size: ONE SIZE



Ö SNAPBACK CAP

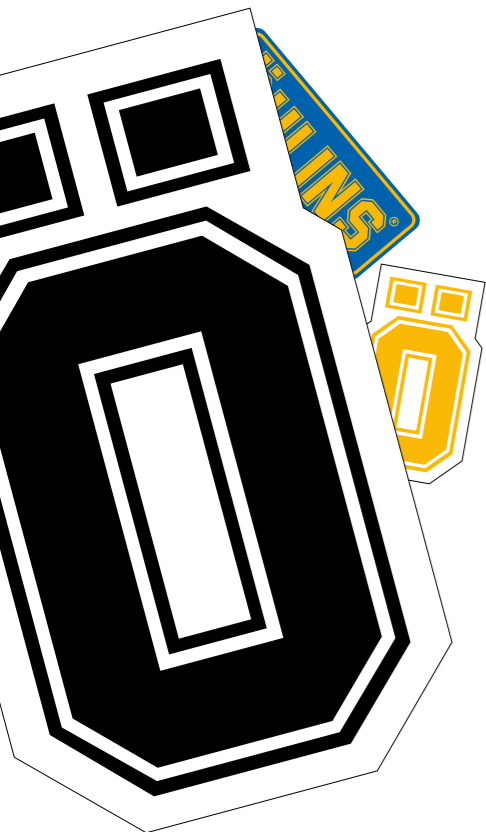
Part No: 11211-01

Size: ONE SIZE



ÖHLINS STICKERS

Öhlins stickers range gives you the option to personalize your bike or shock. Stickers can be found through the Öhlins network.



Ö YELLOW SMALL

Part No: 11221-08

Size: 17 x 32 mm



Ö BLACK SMALL

Part No: 11221-09

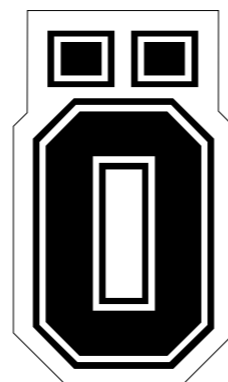
Size: 17 x 32 mm



Ö YELLOW

Part No: 11221-06

Size: 43 x 80 mm



Ö BLACK

Part No: 11221-07

Size: 43 x 80 mm



ÖHLINS BLUE/YELLOW

Part No: 01196-02

Size: 74 x 28 mm



ÖHLINS BLACK/WHITE

Part No: 01196-01

Size: 74 x 28 mm



ÖHLINS BLUE/YELLOW MEDIUM

Part No: 11221-01

Size: 210 x 79 mm



ÖHLINS BLACK/WHITE MEDIUM

Part No: 11221-02

Size: 210 x 79 mm



ÖHLINS RETRO BLACK

Part No: 11221-04

Size: 63 x 47 mm

TRANSPARENT BACKGROUND



ÖHLINS RETRO WHITE

Part No: 11221-05

Size: 63 x 47 mm

FOR MORE CONTACT INFORMATION PLEASE VISIT

Full information about which models Öhlins products are available for, please contact your local Öhlins MTB Distributor or Specialized Bicycles.

[OHLINS.COM](https://www.ohlins.com)



SHOCK ABSORBERS

PART NO	DESCRIPTION	MODEL YEAR	LENGTH (IN/MM)	STROKE (IN/MM)	SPRING SERIES
STX 22 AIR CUSTOM SERIES					
MTB 1780	AM STX 22 Air Custom series		7.50/190	2.00/51mm	
MTB 1781	AM STX 22 Air Custom series		7.87/200	2.00/51mm	
MTB 1782	AM STX 22 Air Custom series		7.87/200	2.25/57mm	
MTB 1783	AM STX 22 Air Custom series		8.50/216	2.50/63mm	
TTX 22 M CUSTOM SERIES PIGGYBACK					
MTB 1691	AM TTX 22 M Custom series		8.50/216	2.50/63	18070 (-05 to -15)
MTB 1692	AM TTX 22 M Custom series		8.75/222	2.75/70	18055 (-04 to -15)
MTB 1693	AM TTX 22 M Custom series		9.50/240	3.00/76	18060 (-01 to -11)
MTB 1694	AM TTX 22 M Custom series		10.5/267	3.50/89	18065 (-02 to -08)
MTB 1696	AM TTX 22 M Custom series		7.87/200	2.25/57	18075 (-06 to -17)
MTB 1697	AM TTX 22 M Custom series		7.87/200	2.00/51	18076 (-06 to -17)
MTB 1698	AM TTX 22 M Custom series		7.50/190	2.00/51	18077 (-06 to -17)
TTX 22 M CUSTOM SERIES					
MTB 1491	AM TTX 22 M Custom series		8.50/216	2.50/63	18074 (-05 to -15)
MTB 1492	AM TTX 22 M Custom series		8.75/222	2.75/70	18073 (-02 to -15)
MTB 1493	AM TTX 22 M Custom series		9.50/240	3.00/76	18060/73 (-02 to -15)
MTB 1494	AM TTX 22 M Custom series		10.5/267	3.50/89	18065 (-03 to -08)
MTB 1496	AM TTX 22 M Custom series		7.87/200	2.25/57	18075 (-06 to -17)
MTB 1497	AM TTX 22 M Custom series		7.87/200	2.00/51	18075 (-08 to -17)
MTB 1498	AM TTX 22 M Custom series		7.50/190	2.00/51	18075 (-08 to -17)
STX 22 AIR APPLICATIONS					
SBC 1745	Specialized Stumpjumper (29")	2016-2017	197	47	N/A
SBC 1746	Specialized Stumpjumper (27,5")	2016-2017	197	47	N/A
SBC 1749	Specialized Rhyme 2017 (27,5")	2017	197	47	N/A
SBC 1765	Specialized Enduro (29")	2013-2017	216	57	N/A
SBC 1766	Specialized Enduro (27,5")	2013-2017	216	57	N/A
TTX 22 M APPLICATIONS					
MTB 1415	Specialized Demo	2011-2014	241	76	18060 (-01 to -11)
MTB 1425	Specialized Enduro Evo	2013-2016	222	66	18073 (-02 to -15)
MTB 1735	Specialized Enduro	2013-2016	216	57	18075 (-06 to -17)
SBC 1775	Specialized Stumpjumper AM	2016-	197	47	18075 (-08 to -17)
SBC 1735	Specialized Enduro AM	2017-	216	57	18075 (-08 to -17)
SBC 1815	Specialized Demo AM	2015-	241	76	18060/73 (-02 to -15)

FRONT FORKS

PART NO	DESCRIPTION	LENGTH (IN/MM)	STROKE (IN/MM)	SPRING TYPE	WHEEL	AXLE	OFFSET
RXF 34							
FG3412 1512	AM MTB RXF 34	Axle to crown: 533mm	120	Air	29"	15x100mm	46mm
FG3414 1512	AM MTB RXF 34	Axle to crown: 553mm	140	Air	29"	15x100mm	46mm
FG3416 1512	AM MTB RXF 34	Axle to crown: 573mm	160	Air	29"	15x100mm	46mm
RXF 36							
FG3612 1512	AM MTB RXF 36	Axle to crown: 528,5mm	120	Air	29"/ 27,5+	15x110mm	51mm
FG3614 1512	AM MTB RXF 36	Axle to crown: 548,5mm	140	Air	29"/ 27,5+	15x110mm	51mm
FG3615 1512	AM MTB RXF 36	Axle to crown: 558,5mm	150	Air	29"/ 27,5+	15x110mm	51mm
FG3616 1512	AM MTB RXF 36	Axle to crown: 568,5mm	160	Air	29"/ 27,5+	15x110mm	51mm
RXF 36 COIL							
FG3615 1520	AM MTB RXF 36	Axle to crown: 558,5mm	150	Coil	29"/ 27,5+	15x110mm	51mm
FG3616 1520	AM MTB RXF 36	Axle to crown: 568,5mm	160	Coil	29"/ 27,5+	15x110mm	51mm
RXF 36 650B							
FG3614 1716	AM MTB RXF 36	Axle to crown: 533mm	140	Air	27,5	15x110mm	46mm
FG3615 1716	AM MTB RXF 36	Axle to crown: 543mm	150	Air	27,5	15x110mm	46mm
FG3616 1716	AM MTB RXF 36	Axle to crown: 553mm	160	Air	27,5	15x110mm	46mm
FG3617 1716	AM MTB RXF 36	Axle to crown: 563mm	170	Air	27,5	15x110mm	46mm

COIL SPRINGS TTX 22 M

SPRING SERIES	ALLOWED DEFLECTION (IN/MM)	ENDING NO	RATE (N/MM)	RATE (LBS/IN)	ENDING NO	RATE (N/MM)	RATE (LBS/IN)
18060	3.00"/75	-01	44	251	-10	80	457
18065	3.50"/89	-02	48	274	-11	84	480
18073	3.00"/75	-03	52	297	-12	88	502
18074	2.5"/63	-04	56	320	-13	92	525
18075	2.25"/57	-05	60	343	-14	96	548
18076	2"/50	-06	64	365	-15	100	571
		-07	68	388	-16	106	605
		-08	72	411	-17	112	640
		-09	76	434			

FORK SPRINGS RXF 36 COIL 29"

PART NO	DESCRIPTION	RIDER WEIGHT	
		LBS	KG
18651-01	Fork spring 19.3 / 303 / 6.1N/mm (35lb/in)	100	45
18651-02	Fork spring 19.3 / 303 / 7.0N/mm (40lb/in)	120	55
18651-03	Fork spring 19.3 / 303 / 7.9N/mm (45lb/in)	140	64
18651-04	Fork spring 19.3 / 303 / 8.8N/mm (50lb/in)	160	73
18651-05	Fork spring 19.3 / 303 / 9.7N/mm (55lb/in)	180	82
18651-06	Fork spring 19.3 / 303 / 10.6N/mm (60lb/in)	200	91
18651-07	Fork spring 19.3 / 303 / 11.5N/mm (65lb/in)	220	100





Öhlins Racing AB Instrumentvägen 8-10 Box 722 SE-19427 Upplands-Väsby, Sweden

Phone: +46 (0)8 590 025 00 Mail: info@ohlins.se Web: www.ohlins.com



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