

**ND** *TUNED*®

# CATALOG 2020



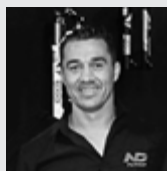
[WWW.NDTUNED.COM](http://WWW.NDTUNED.COM)





LIMITS TO A

**CEO**  
**ND TUNED**  
Nuno Duarte



For long years associated to this field, businessman Nuno Duarte founded ND Tuned using all of his know-how and experience acquired along more than 15 years in national and international competition in BMX, XC and DH, using it in the design of innovative solutions.

*Nuno Duarte*

# ND TUNED®



## COMPANY

ND Tuned is a company that specializes in all types of suspension forks and shock absorbers.

ND Tuned's main activity focuses on the creation and development of alternative solutions on damper systems, stanchions, steerer tubes and many other components for aftermarket service assistance.



## HISTORY

Founded in 2013, ND Tuned was the pioneer in Portugal in the field of technical assistance and the development of new and patented technologies and products.

ND Tuned was created to fill the athletes's needs to benefit from a service that was only available to professional athletes until now, being a regular presence in the main national and international competitions.



## ND TUNED TECHNOLOGY

**OVR** - Fork damper with 100% pneumatic system without the need for any lockout or remote.

**HLSRC** - Patented technology that uses separate low and high speed flow channels, both for compression and rebound.

# NEW LEVEL.







## INTELLIGENT SYSTEM

**OVR**  
OPENING VALVE RESISTANCE



**OVR is a system that applies resistance to low speed compression movement.**

The OVR does not fully lock the fork, only partial.

The first objective is to find a good compromise between fork comfort and anti-oscillation / pedaling efficiency, without changing its tuning.

### WEIGHT

78g \*29" damper

### COMPATIBILITY

Rock Shox  
26" / 27.5" / 29" / 100 mm travel  
SID / REBA / Brain / RS1  
  
Fox  
27.5" / 29" / 100 mm travel  
32 StepCast / 32 standard

### EXTERNAL SETTINGS

Compression OVR  
(Opening Valve Resistance)  
12 clicks adjuster  
  
Rebound  
18 clicks adjuster

### MATERIAL

Aluminum 7050 / 7075

### FINISHING

Standard & Black hard anodization

### LIGHTEST DAMPER IN THE MARKET

*\*Average weight reduction of 200gr.*

### 100% PNEUMATIC DAMPING

### INCREASE IN USABLE TRAVEL BY 15/20 %

### NULLIFIES THE FORK'S PEDALING INDUCED OSCILLATIONS

### ECOLOGICAL

Average reduction of oil amount by 80%

### PERFORMANCE

Consistent performance independently of working temperature.

### MAINTENANCE

Maintenance costs reduction of +/- 40%.

### PERFORMANCE

Consistent performance independently of working hours.

### OVR FOR ROCKSHOX FORKS

ND-300-OVR260

OVR - 26" x 100mm - **RockShox** (SID / REBA)

ND-300-OVR275

OVR - 27,5" x 100mm - **RockShox** (SID / REBA)

ND-300-OVR290

OVR - 29" x 100mm - **RockShox** (SID / REBA) ≤ 2016

ND-300-OVR290I7

OVR - 29"x 100mm - **RockShox** (SID / REBA)

ND-300-OVR290DA

OVR - 29" x 100mm - **RockShox** (SID / REBA) Dual Air

ND-300-OVR290R1

OVR - 29" x 100mm **RockShox** (RS1)

### OVR FOR FOX FORKS

ND-300-OVR-F

OVR - 29" x 100mm - **Fox** (Evolution / Factory) < 2016

ND-300-OVR-F16

OVR - 100mm - **Fox** (Performance / Factory) 2016

ND-300-OVR-FSC

OVR - 100mm - **Fox SC** (Performance / Factory)

### KIT UPGRADE FOR FORKS WITH OVR

ND-300-OVR-UP.FSC

Kit Upgrade Plus - OVR2019 **Fox SC**

ND-300-OVR-UP.RS

Kit Upgrade Plus - OVR2019 **RockShox** SID

ND-300-OVR-UP.RS1

Kit Upgrade Plus - OVR2019 **RockShox** RS1

ND-310-100

Kit Upgrade Solo Air - **Fox SC**

ND-310-101

Kit Upgrade Solo Air - **RockShox** SID

ND-310-102

Kit Upgrade Solo Air - **RockShox** RS1



João Rocha

## ND TUNED STEERER TUBE

Carbon - Tapered  
XC -Tapered  
EXC Enduro -Tapered  
Standard - 1 1/8"

### MATERIAL

Aluminum 7050  
Carbon

### FINISHING

Anodization



ND-088-909

ND Tuned

### Carbon Steerer Tube

1 1/2" - 1 1/8" (Tapered)  
Up to 100mm travel forks.

WEIGHT: 107 grams  
HEIGHT: 25 cm



ND-088-907

ND Tuned

### XC Steerer Tube

1 1/2" - 1 1/8" (Tapered)  
Up to 100mm travel forks.

WEIGHT: 142 grams  
HEIGHT: 29 cm



ND-088-908

ND Tuned

### EXC Steerer Tube

1 1/2" - 1 1/8" (Tapered)  
More resistant, special for enduro.  
Up to 170mm travel forks.

WEIGHT: 202 grams  
HEIGHT: 29 cm



ND-088-900

ND Tuned

### Steerer Tube

1 1/8"  
Up to 120mm travel forks.

WEIGHT: 188 grams  
HEIGHT: 29 cm

ND Tuned

### Steerer Tube Reducer

1 1/2" to 1 1/8"



ND-088-905

Steerer Tube Reducer RockShox

ND-088-906

Steerer Tube Reducer Fox



## ND TUNED STANCHIONS

With a exclusive design, the ND Tuned Stanchions are designed to be applied on RockShox and Fox 32mm forks.

ND Tuned stanchions have a hard anodizing treatment with a thickness of 40 microns, which allows them to achieve greater durability, resistance to wear, stiffness and sliding capacity.

### MATERIAL

Aluminum 7050

### FINISHING

Black hard anodizing



ND-088-304  
ND Tuned  
**Stanchion**  
Fox 26"



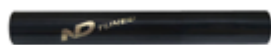
ND-088-307  
ND Tuned  
**Stanchion**  
Fox 27,5"



ND-088-308  
ND Tuned  
**Stanchion**  
Fox StepCast



ND-088-309  
ND Tuned  
**Stanchion**  
Fox StepCast SA



ND-088-120  
ND Tuned  
**Stanchion**  
RockShox 26", 27,5", 29"



ND-088-222  
ND Tuned  
**Stanchion**  
RockShox Solo Air 26", 27,5", 29"



ND-088-305  
ND Tuned  
**Stanchion**  
Fox 29"



SPECIAL  
ND TUNED  
TOOL

ND-090-100  
ND Tuned  
**Stanchion & Steerer  
tube replacement tool**







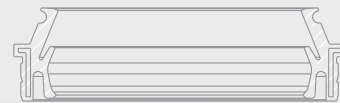
## ND TUNED SEALS

Our seals have Dual Lip that allow a smoother operation. Exclusive design for extra protection.

Compatible with most brands and models in the market.

### MATERIAL

NBR



ND-100-132

### Seals Kit 32 mm

32 x 42 x 8 mm

2 x ND Tuned Dual Dust Wiper  
2 x Foam Ring 32 mm | 2 x ring



ND-100-132-1

### Seals Kit 32 mm

32 x 41 x 8 mm - RS / DT Swiss

2 x ND Tuned Dual Dust Wiper  
2 x Foam Ring 32 mm | 2 x ring



ND-100-134

### Seals Kit 34 mm

2 x ND Tuned Dual Dust Wiper  
2 x Foam Ring 34 mm  
3 x ring



ND-100-135

### Seals Kit 35 mm

2 x ND Tuned Dual Dust Wiper  
2 x Foam Ring 35 mm | 2 x ring



ND-100-136

### Seals Kit 36 mm

2 x ND Tuned Dual Dust Wiper  
2 x Foam Ring 36 mm | 3 x ring



ND-100-140

### Seals Kit 40 mm

2 x ND Tuned Dual Dust Wiper  
2 x Foam Ring 40 mm | 3 x ring

## ND TUNED BUSHINGS



### ND Tuned Bushings Kit

ND-110-001

6x22x12,7mm  
Set of 6 pieces

ND-110-002

8x22x12,7mm  
Set of 6 pieces

ND-110-003

8x40x12,7mm  
Set of 8 pieces

\*Other sizes by order



ND-110-010

### ND Tuned Bushings Kit RockShox Reverb

Set of 2 bushings

ND-090-101

### ND Tuned Bushings removal & installation tool



ND-110-011

### ND Tuned Bushings Kit Upper Fox 32 mm

Set of 2 bushings  
MATERIAL: iglidur® J3

ND-110-012

### ND Tuned Bushings Kit Upper RockShox 32 mm

Set of 2 bushings  
MATERIAL: iglidur® J3

ND-110-015

### ND Tuned Bushings Kit Upper RockShox 32 mm < 2017

Set of 2 bushings  
MATERIAL: iglidur® J3



ND-110-013

### ND Tuned Bushings Kit Fox 32 mm

Set of 4 bushings  
MATERIAL: iglidur® J3

ND-110-014

### ND Tuned Bushings Kit RockShox 32 mm

Set of 4 bushings  
MATERIAL: iglidur® J3

ND-110-016

### ND Tuned Bushings Kit RockShox 32 mm < 2017

Set of 4 bushings  
MATERIAL: iglidur® J3



# REAR SHOCK

## DH 2xRC3

### LIGHTEST REAR SHOCK ON THE MARKET

Customized configuration according to the needs and driving style of the rider and the bicycle operating system.

Rear Shock with patented technology

**HLSRC**  
**DH 2xRC3**  
**VALVE**



**ND-200-SA222**

ND Tuned Rear Shock

**DH 2xRC3**

222mm

\*Spring not included



**ND-200-SA240**

ND Tuned Rear Shock

**DH 2xRC3**

240mm

\*Spring not included



**ND-200-SA267**

ND Tuned Rear Shock

**DH 2xRC3**

267mm

\*Spring not included

### WEIGHT

344g

\*Measured weight 240 × 76 without spring

### DIMENSIONS

222×70

240×76

267×89

\*Other dimensions on request

### EXTERNAL SETTINGS

High and low speed compression

Rebound

### SPRING REGULATION

Preload

### MATERIAL

Aluminum 7050 / 7075

CNC Machined

### FINISHING

Standard anodization

Hard anodizing





## ND TUNED HLSC & HLSRC VALVES

HLSC valve for motorcycle fork and  
HLSRC valve for motorcycle rear  
shock, with patented technology.

Optimized channeling for smooth  
low to high speed transitions.

Superior terrain reading with  
increased high speed damping  
reinforcement.

### MATERIAL

Aluminum 7050

### FINISHING

Hard anodization



ND-074-015

ND Tuned Valve Kit

### HLSC

Set of 2 HLSC 28/6 valves, 1  
compression and rebound shim  
stack kit



ND-074-017

ND Tuned Valve Kit

### HLSC

Set of 2 HLSC 4CS valves, 1  
compression and rebound  
shim stack kit



ND-074-031

ND Tuned Valve Kit

### HLSRC

Set of 1 HLSRC 50/16 valve,  
1 compression and rebound  
shim stack kit 1 piston ring



ND-074-030

ND Tuned Valve Kit

### HLSRC

Set of 1 HLSRC 50/12 valve,  
1 compression and rebound  
shim stack kit, 1 piston ring



ND-074-032

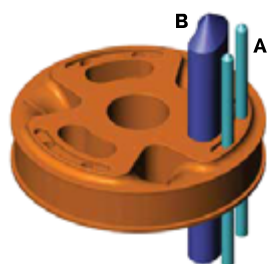
ND Tuned Valve Kit

### HLSRC

Set of 1 HLSRC 46/12 valve,  
1 compression and rebound  
shim stack kit 1 piston ring

## ND TUNED VALVES HLSC and HLSRC

**Dual-flow valves developed  
for extreme off-road  
conditions**



Technology patented by ND Tuned, which allows you to adjust  
more effectively the shock absorbers and suspensions to Off  
Road conditions.

A - Low Speed Circuit

B - High Speed Circuit

The low speed orifices have a reduced oil flow capacity for slow  
circulation. When the maximum flow capacity is reached, it  
also passes through the high speed orifices.

This feature allows to obtain differential between low speed  
and high speed of compression adapted to the needs of each  
pilot.

## ND TUNED ACCESSORIES



ND-074-041

ND Tuned

### Piston Ring

46x44x8mm

MATERIAL: iglidur® J3



ND-074-040

ND Tuned

### Piston Ring

50x48x8mm

MATERIAL: iglidur® J3



ND-074-014

ND Tuned

### Adapter

28 mm - 35 mm

Set of 2 adapters  
for Showa / Kayaba forks



# SERVICES

We work everyday to improve our products and services.

## PREPARATION

We work everyday to improve our products and services.



## RESTORATION

We recondition equipments and parts, restoring them to their best level.



## PROTOTYPING

We provide the highest quality prototyping service including cnc machining.



## ANODIZING

Electro chemical treatment for aluminium that provides anti corrosion and mechanical resistances or simply for aesthetic effect.



## MAINTENANCE

Experience in every model of suspension from the main brands.



## DEVELOPMENT

From the design to production we develop new and revolutionary technologies for the world market.



## PRODUCTION

Our in house fabrication capacity for every kind of hand machined part, allows us to solve almost every problem.

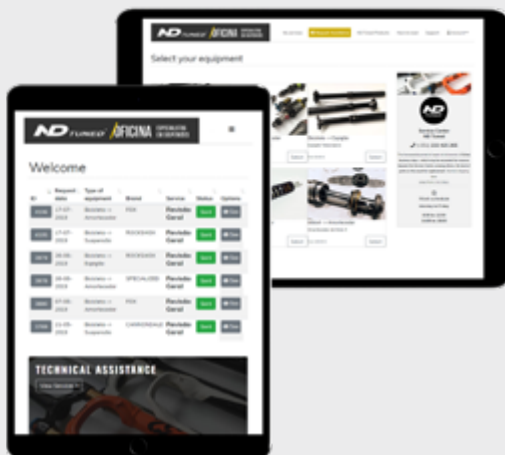


## LASER - CUTTING/ENGRAVING

We provide laser cutting and engraving services to personalise your parts.

## ND TUNED SERVICE PORTAL

[www.ndtuned.com/service](http://www.ndtuned.com/service)



## ND TUNED B2B RETAILER PORTAL

[www.ndtuned.com/b2b](http://www.ndtuned.com/b2b)





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**CERTIFIED COMPANY**

